PROGRESSIVE ARCHITECTURE FEBRUARY 1961

NEWS REPORT

Architecture's Monthly News Digest of Buildings and Projects, Personalities, New Products



Photo: Louis Checkman

Massive concrete slabs bearing the late President's words mark the winning project in the FDR Memorial Competition.

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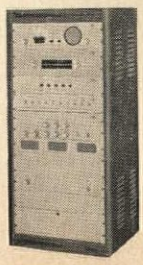
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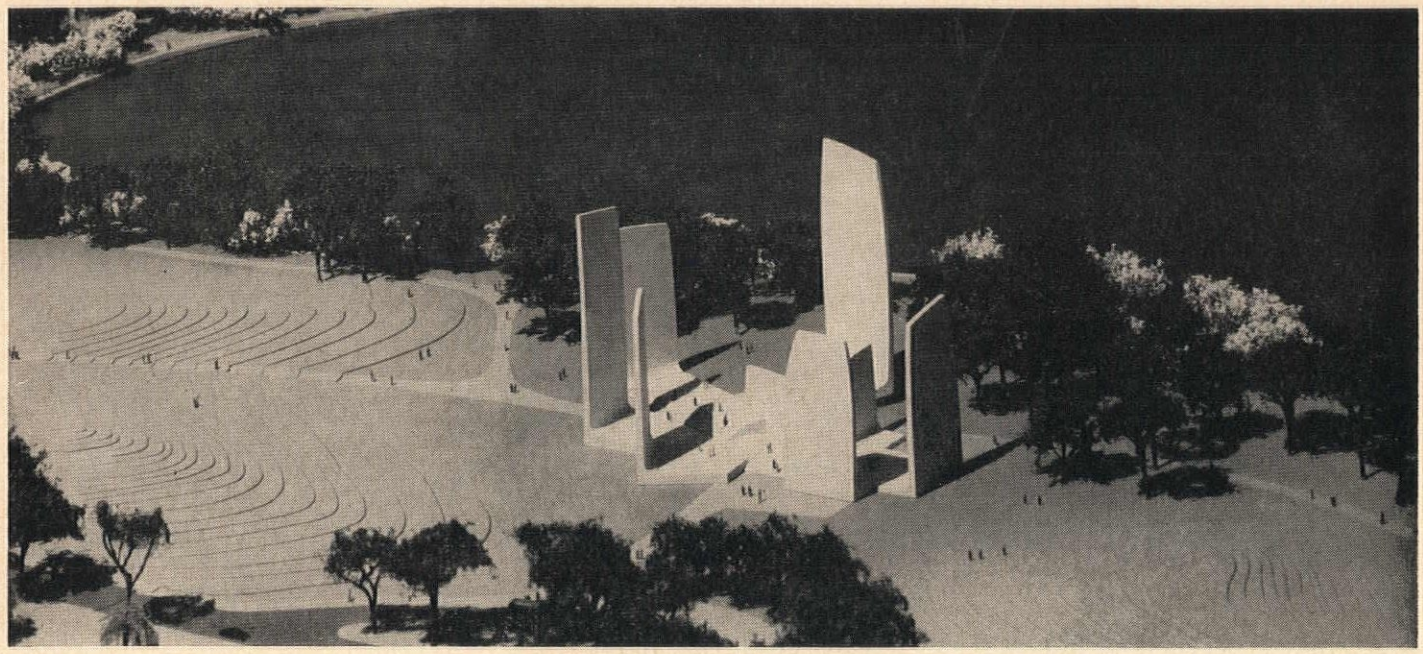
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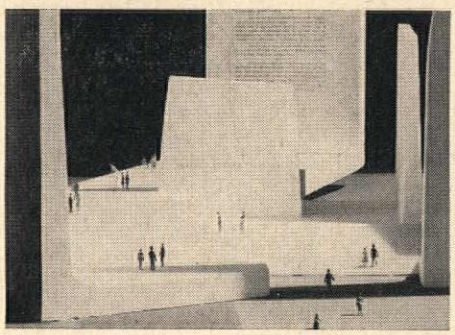
FDR MEMORIAL WINNER: AN OCTET OF STELES

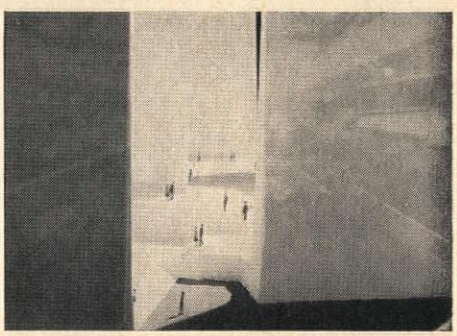
WASHINGTON, D.C. A deceptively simple but forceful design of eight concrete steles bearing passages from the speeches and writings of the late President has been named winner of the competition for the Franklin Delano Roosevelt Memorial. Authors of the proposal are New York architects William F. Pedersen and Bradford S. Tilney and sculptor Norman Hoberman. Joseph Wasserman and David Beer are associates, and Ammann & Whitney are consulting engineers.

Structure of the memorial will be bush-hammered, reinforced concrete with special white marble aggregate, white fines and white portland cement. The seven tall elements will be of cellular construction, with walls from eight to twelve inches thick, depending on load conditions. The low, central slab will be poured monolithically and will furnish the weight necessary to stabilize and balance the 165-ft-high cantilever unit (*see section*). The floor system will be composed of terrazzo-finished slabs supported by diaphragm walls tying the steles together and stabilizing them. The shafts will be illuminated at night. Careful attention has been given to the approaches to the memorial; visitors will glimpse it through trees, and then, approaching over rises in the landscape, will perceive the total composition.

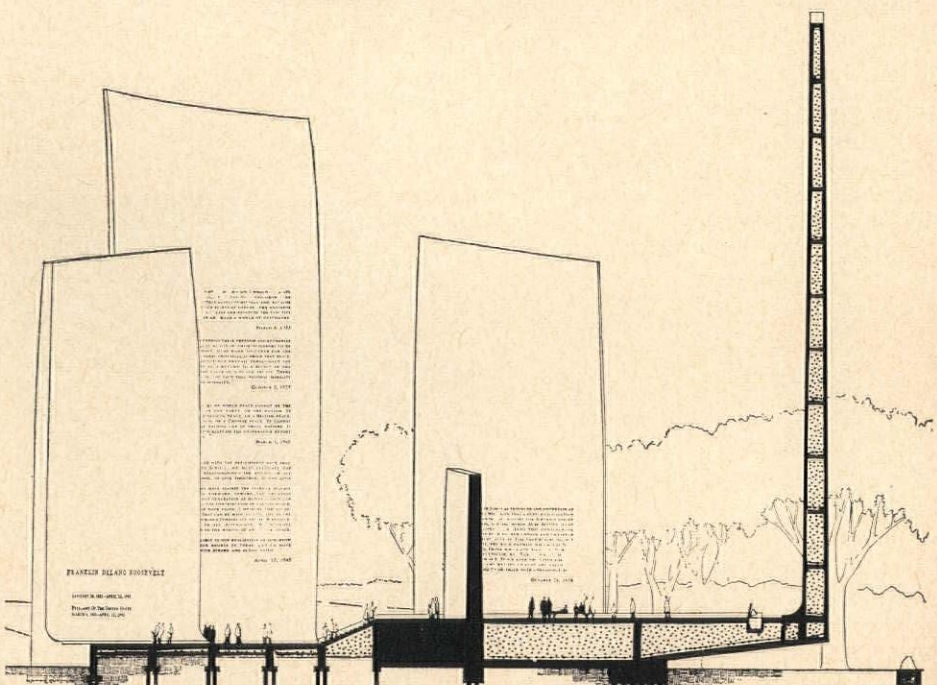
The following three pages show the other finalists and a selection of competition entries.

See T. H. Creighton's "P.S." on page 236 for a personal evaluation of the competition and its winner.



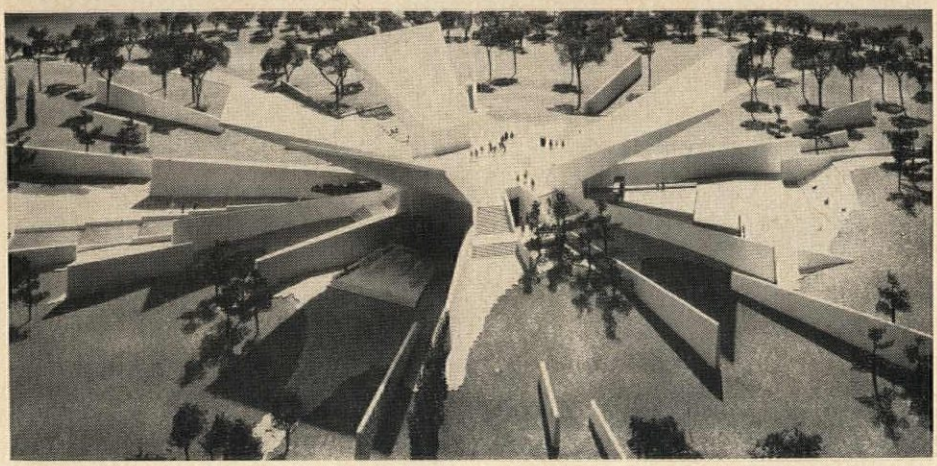


Visitor will have varying spatial experiences as he moves among the steles.

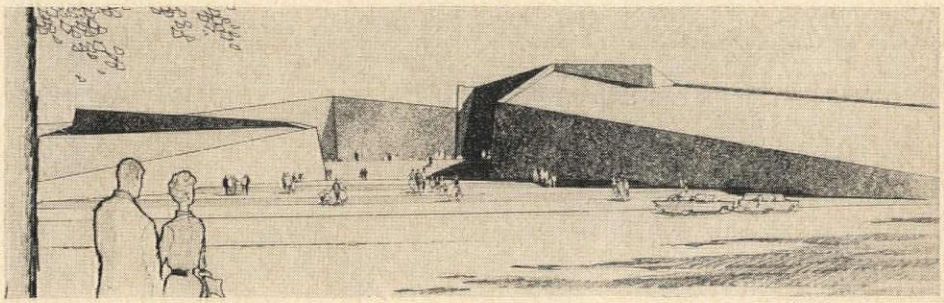


Section shows tallest shaft cantilevered from monolithically poured slab.

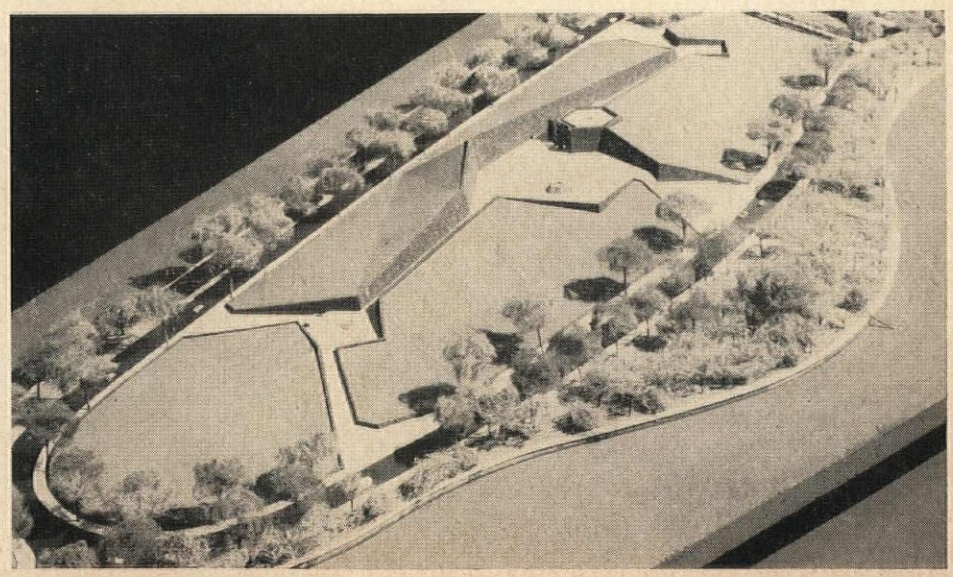


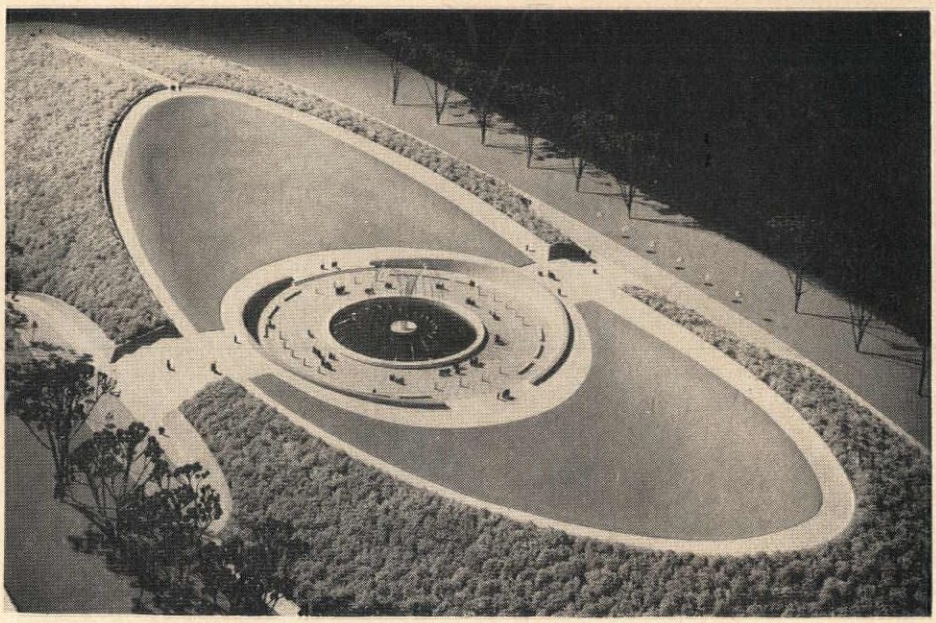


A circular scheme featuring a granite-based plaza surrounded by four courts representing the Four Freedoms—each with a distinguishing sculptural symbol (a choir and pulpit for Freedom of Worship, for example). Courts would be sheltered by cantilevered, reinforced-concrete "wings." Architect: Abraham W. Geller, associated with Douglas Gordon, Diana Kirsch, Claude Samton, and Peter Samton; Landscape Architect Associate: Richard Haag; Structural Engineering Consultant: Salvadori & Weidlinger; Lighting Consultant: Joel Rubin; Acoustical Consultant: Bolt, Beranek & Newman.

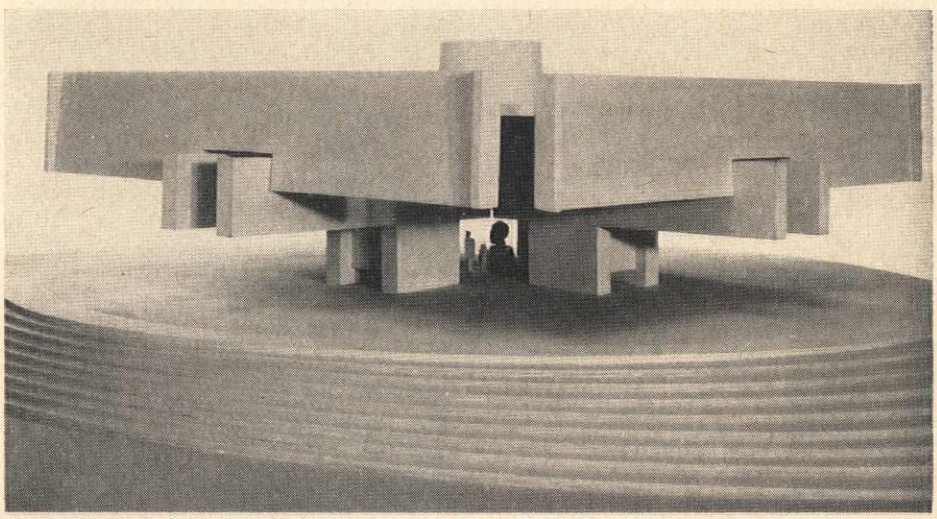


A proposal based around a Presentation Court and Gallery. Designers proposed institution of annual Franklin D. Roosevelt Award to be presented in court, winners to be memorialized in gallery. Memorial would be in form of grass mound incised with court and its approaches, which would have walls of concrete with heavy exposed aggregate of granite, and granite paving. Sculpture and fountains would be used appropriately. Architects: Joseph J. Wehrer and Harold J. Borkin; Landscape Architect: William Johnson; Sculptor: Thomas McClure.

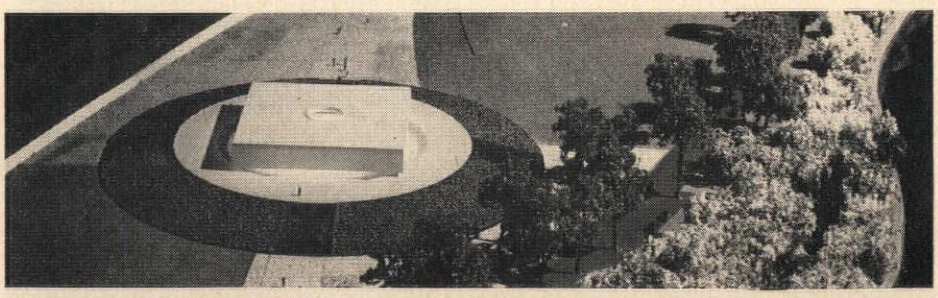


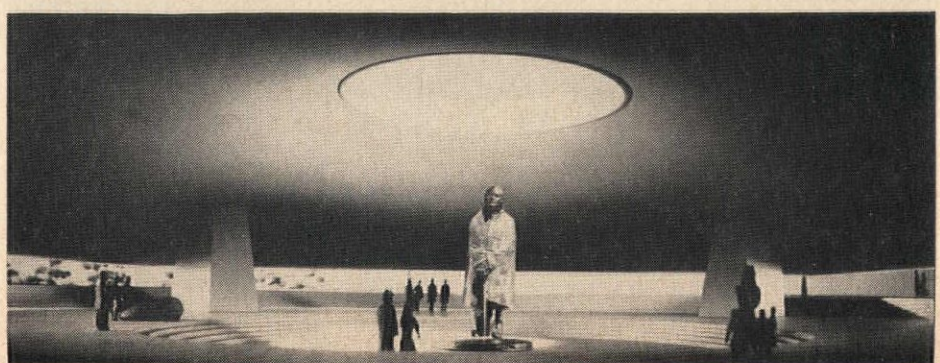


An earth mound enclosing a circular fountain court. The designers felt that the memorial "must not compete with the other monuments [Washington, Lincoln, Jefferson]; yet it must have an expressive form which is strong enough to hold its own." The court would be walled with both cut and polished granite. Particular attention was given, of course, to landscape planning. Landscape Architects: Sasaki, Walker & Associates; Architects: Luders & Associates; Consultants: Svend Bruun and T. Lewis Buser.



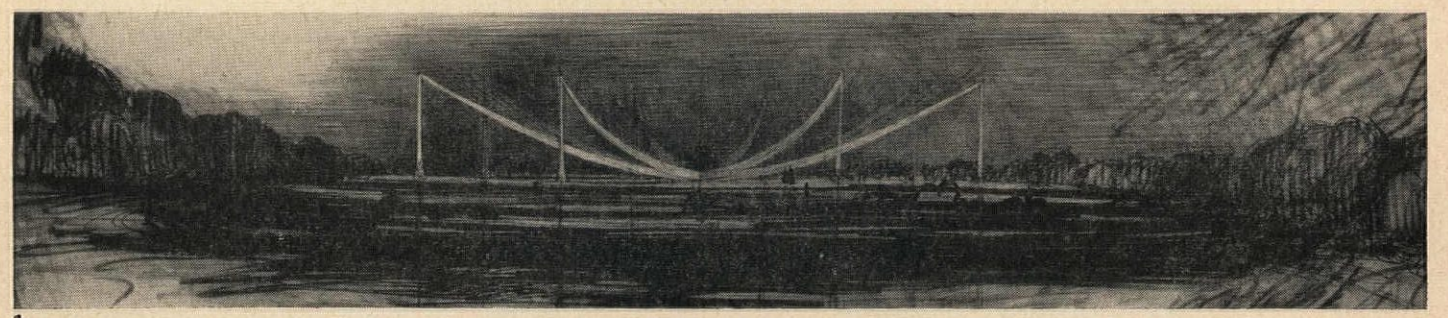
A reinforced-concrete pavilion within a ring of trees and atop a man-made hillock. Eight beams and column elements cantilever in two directions to create a feeling of strength and tension. A precast concrete "lens" is supported at roof center over a larger-than-life-size bust of Roosevelt. Beam separations act as viewing slits toward the other three memorials. Architect: Tasso Katselas; Structural Engineer: Gensert, Williams & Associates.



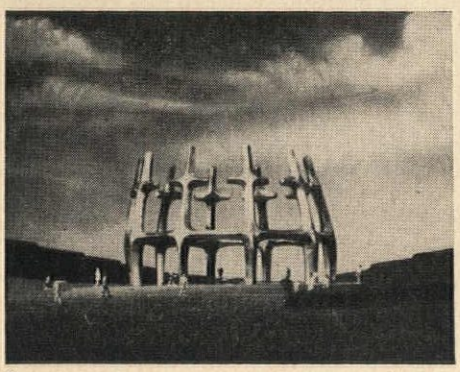


A heroic statue of the late President would stand beneath an oculus in this templelike structure. Visitors would ascend steps to enter, then, once inside, step down into a shallow amphitheater around the statue. Appearance of the shrine at night was considered quite important by the designers. Architect-Sculptor: Rolf Myller; Structural Consultant: Lev Zetlin; Landscape Consultant: Robert S. Malkin; Mechanical Consultant: Ian Grad Associates; Artist-Painter: David Chapin; Lighting Consultant: Leslie Larson; Alternate Sculptor: Luis Sanguino.

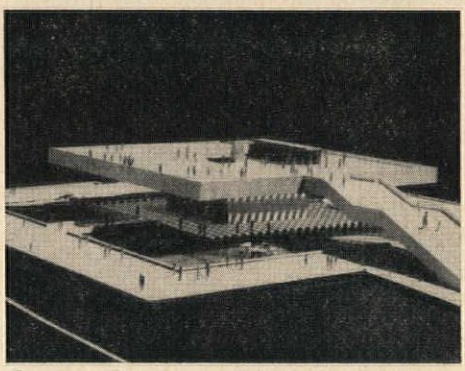
A Sampling of Competition Entries...



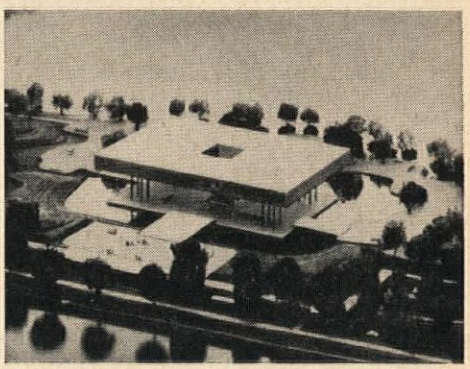
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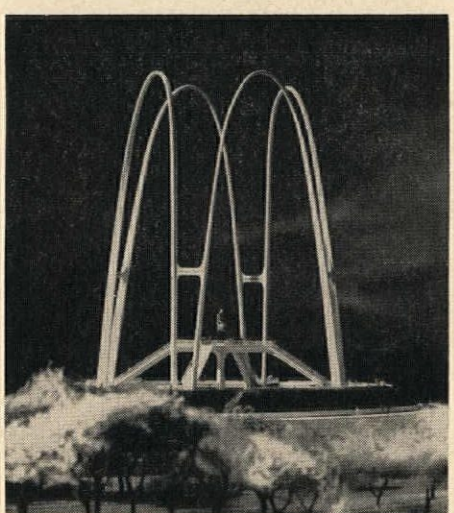


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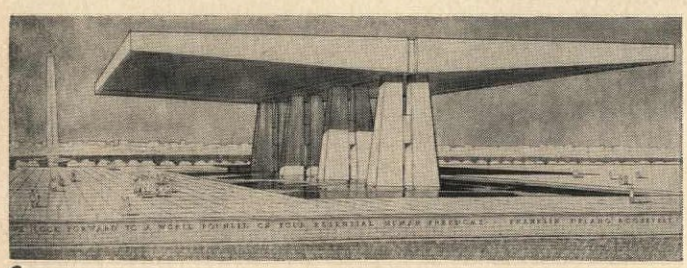
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1 *Victor A. Lundy.* 2 *Davis, Brody & Wisniewski (Team: Albert Bergmann, Carl Meinhardt, Ralph Steinglass, Ikuyo Tagawa, Edith Wong, Julius Twyne, Jr.); Honorable Mention.* 3 *Stonorov & Haws; Associates: Otto Reichert-Facilides, Richard E. Martin, Peter Nicholson, Alfred Clauss, Jane West Clauss; Honorable Mention.* 4 *Perry, Shaw, Hepburn & Dean; Landscape Architect: Richard K. Webel; Honorable Mention.* 5 *Minoru Yamasaki & Associates.* 6 *The Architects Collaborative.* 7 *Philip Johnson Associates.* 8 *Edward Larrabee Barnes; Associates: Giovanni O. Pasanella, Jaquelin T. Robertson; Honorable Mention.*



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Baltazar Korab

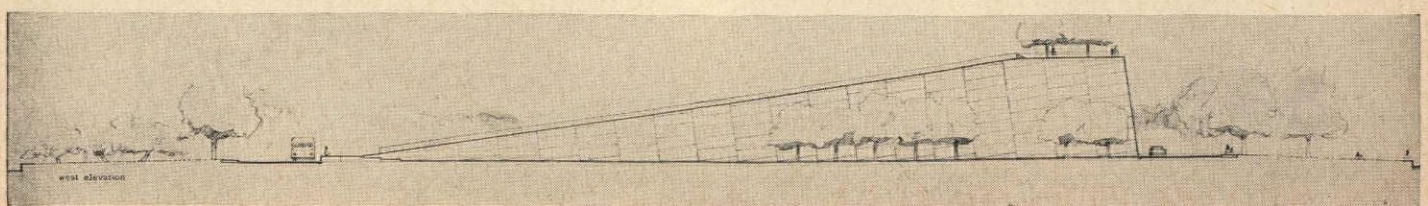


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Louis Checkman



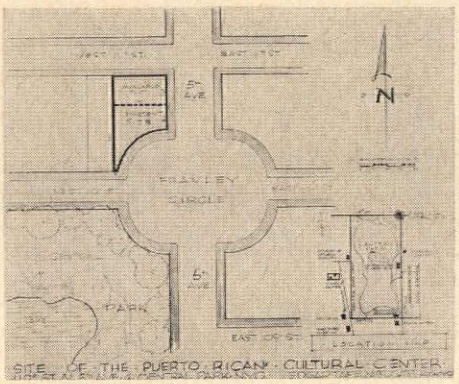
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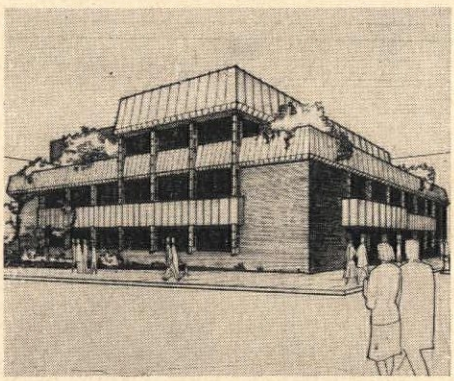
Puerto Rican Cultural Center on Central Park

NEW YORK, N.Y. In 1956, Architect Edgar Tafel was commissioned by La Hermosa congregation of the Disciples of Christ in New York to design a new church. The group had been operating from a "store-front" church in a predominantly Spanish-speaking section of the city, and had grown large and prosperous enough to have its own building.

Shortly after receiving the commission, Tafel found a prime site on Frawley Circle, at the northwest corner of Fifth Avenue and West 110th Street. As plans progressed, interest developed in having a community center as part of the project. Pretty soon, the church and center became separated, and Tafel is now remodeling a former catering-banquet hall next door to accommodate La Hermosa. Currently, the project has grown into a full-fledged Puerto Rican Cultural Center with the enthusiastic backing of Mayor Robert F. Wagner and such dignitaries as Mrs. Eleanor Roosevelt, Puerto Rico's Governor Luis Muñoz Marin, Angier Biddle Duke, Harry Emerson Fosdick, and José Ferrer.

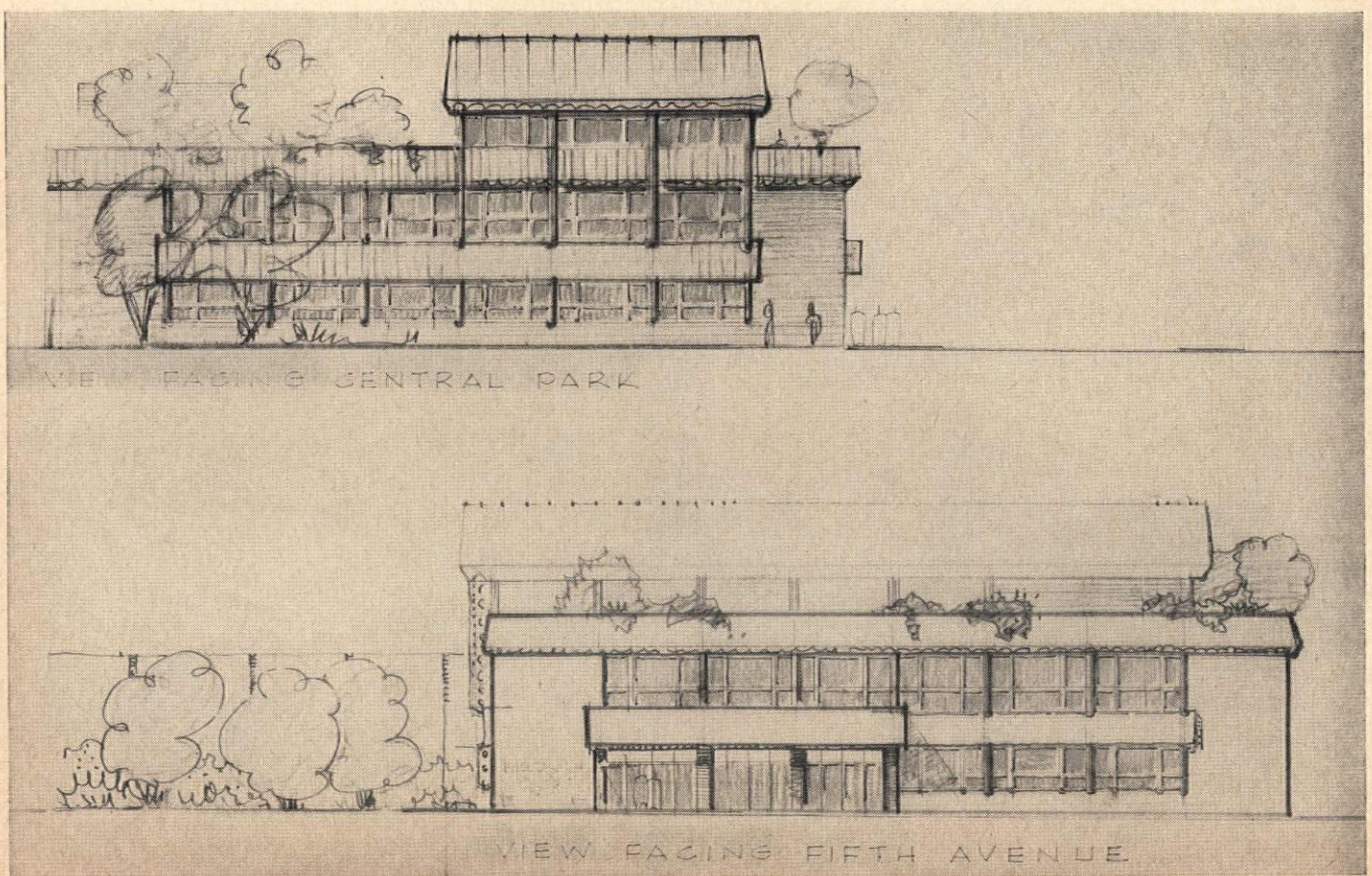
The center will be a three-story structure with lobby, offices, meeting room, and 125-capacity auditorium on the ground floor; craft and music rooms and 10 meeting rooms on the second floor; and 225-person auditorium, kitchen, and terraces on the top floor. Exterior will be brick with horizontals of oxidized copper and columns faced with yellow terra cotta.

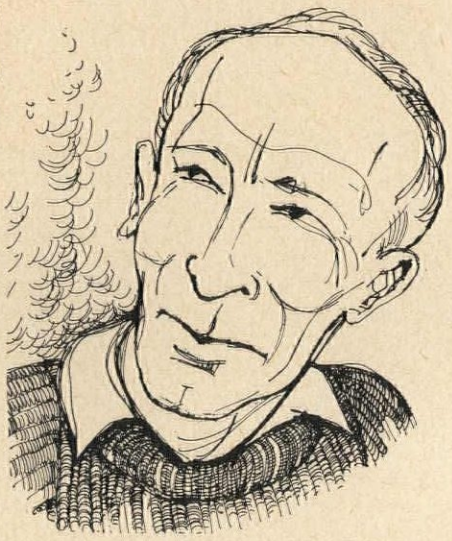




Tafel noted to P/A that fund-raising experiences with the project have been interesting. It was rather difficult to raise money for the combined church-community center, but when they were separated and the emphasis was mainly on the Puerto Rican Cultural Center, sponsors appeared and funds became considerably easier to procure!

Many concerned in the project are hopeful that it will provide the impetus to spark a redevelopment of the entire Frawley Circle area. New public housing exists to the north of the site, and redevelopment housing is scheduled to rise just to the east. Proponents of the center think that this indicates the possibility of creating a many-faceted Spanish cultural and community center.





Raniero Corbellettil

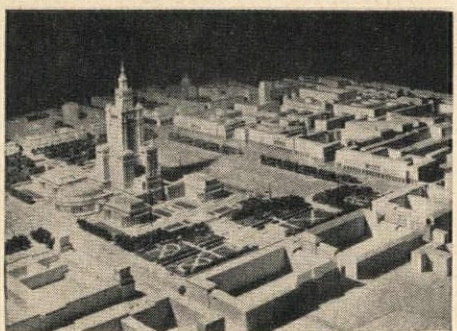
PERSONALITY

Many times, what befalls a person occurs without his own plan or invention. The person who triumphs over adversity and achieves contentment with equanimity can be said to be a man. But to say "sweet are the uses of adversity" about the adventures of Hermann H. Field would be to treat cavalierly one of the most horrifying, and at the same time one of the most inspiring, personal ordeals in the annals of architecture.

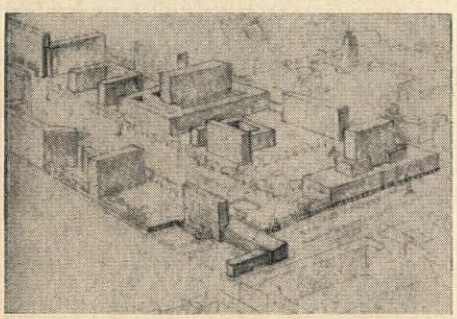
Most architects are familiar with Architect Field's incredible experience —how, after a CIAM meeting in 1949, he visited Poland to search for his brother Noel, who had vanished behind the Iron Curtain; how he was taken to the Warsaw airport and bade farewell by Polish architect friends; how he was not heard from again until one day in 1954 when a Pole fleeing to the West brought word that he was alive, albeit imprisoned. The story has been told in P/A (p. 228, JANUARY 1956) how Field, in a supreme example of mental and physical courage, kept his life and sanity intact during those harrowing years in a cellar on the outskirts of Warsaw. As an architect-planner, he had been offended by the Sovietized plan for the ruined center of that city, with its autocratic focal point, the "Palace of Culture and Science." He proceeded to replan the city's center *in his head,* later devising an ingenious modular graphic system with the straw in his cell. (Only a month before his release, Field was given pencil and paper, and made the drawings you see for the first time on these pages.)

Four months after his imprisonment on trumped-up espionage charges, Field was given a cellmate, the Polish journalist Stanislaw Mierzenski. Conversing softly in German, the two took flight from their deadly surroundings to a life of the mind. Their fantasy-preoccupation was, as Field describes it, "with the complexities as well as the cussedness (which we were observing at close range) of human behavior." After their release, this mental exercise bore fruit in the 1958 novel *Angry Harvest* and will continue to do so in the forthcoming publication (October) of *Duck Lane,* a story of the wartime vicissitudes of the inhabitants of an imaginary dead-end lane outside Field's cellar window.

Today, Hermann Field is at home with his family in Boston, where, after five years writing the two novels which helped see him through the dark years, he has recently been appointed Director of the Planning Office of the proposed Tufts-New England Medical Center. This job, he says, "involves the close co-ordination of the development needs of a medical grouping with long traditions in the Boston scene with Boston's impending renewal efforts in a . . . blighted downtown area."

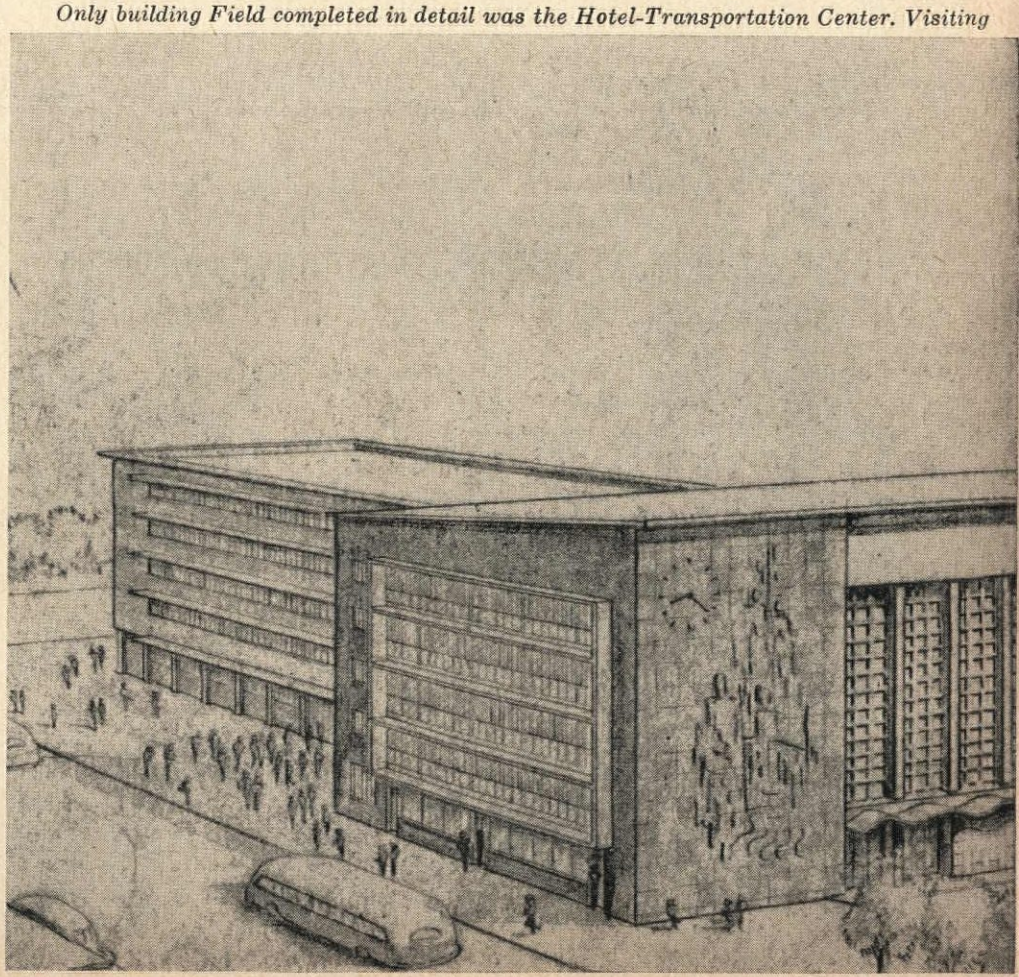


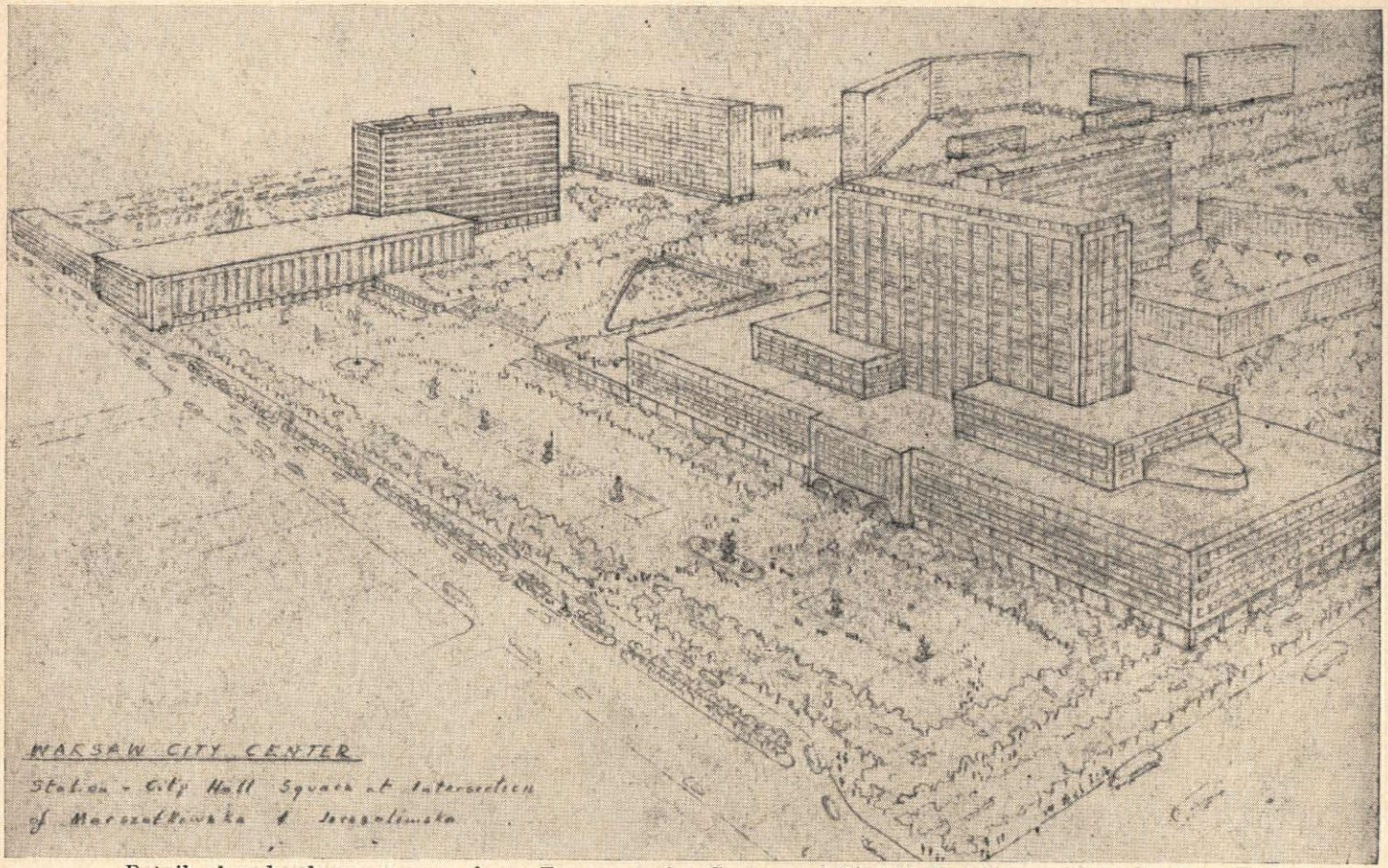
Actual Warsaw plan centers Soviet gift, "Palace of Culture & Science."



Field's solution creates a mall with civic buildings terminating in park.

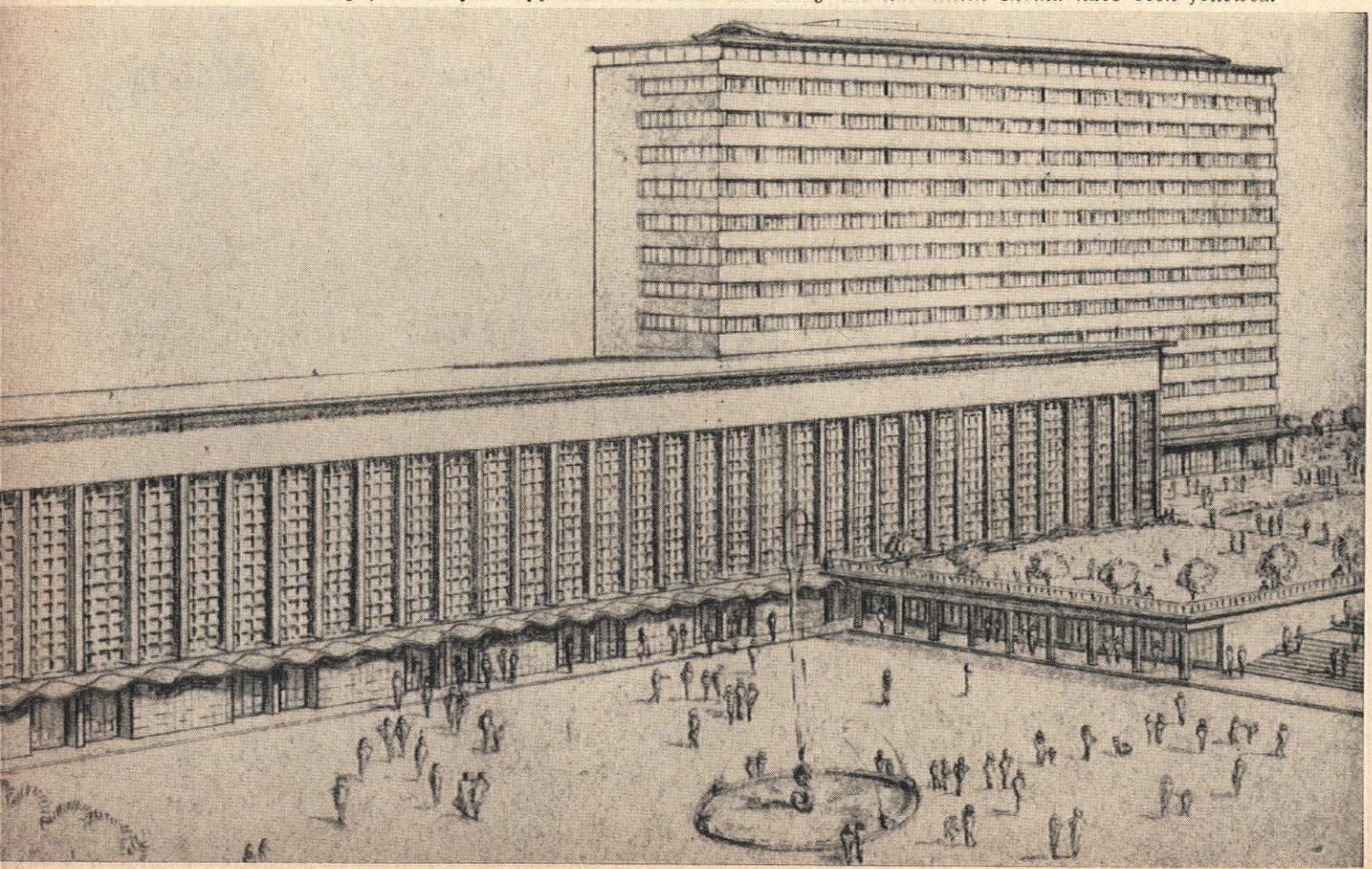
Only building Field completed in detail was the Hotel-Transportation Center. Visiting





Detail of redevelopment area shows Transportation Center and City Hall at intersection of two malls.

Polish architects have said they feel his plan approach was valid and along the line which should have been followed.



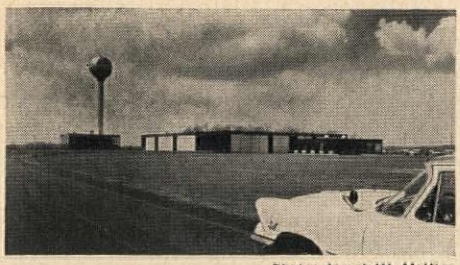


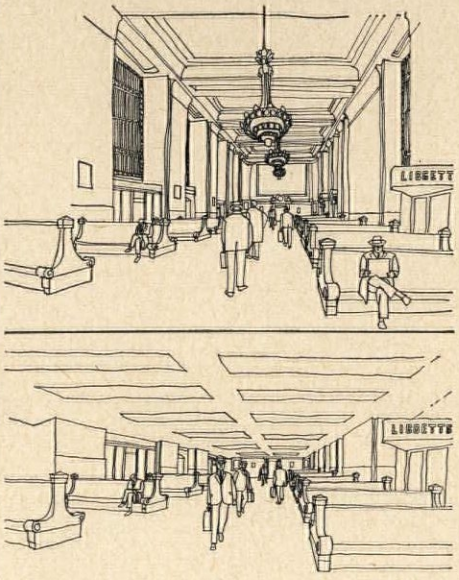
Photo: Joseph W. Molitor

Three Awards in Two Weeks for Nice Plant

The Nice Ball Bearing Company plant, Kulpsville, Pa., evidently lives up to its name, since recently, within the space of two weeks, it earned no less than three awards for its architect, Carroll, Grisdale & Van Alen of Philadelphia. In that short span, the building was awarded the Honor Award of the Pennsylvania Society of Architects for the best industrial building of the year; the Honor Award of Philadelphia Chapter AIA, for the same reason; and the Benjamin Franklin Gold Medal of the Producers' Council chapter for "the most imaginative use of modern building materials."

BOWLING BLACKBALLED

New York's Board of Standards and Appeals, which has been known to turn its head when an architectural felony was being committed in the city, emerged on the side of the angels at the public hearing on a zoning variance that would have permitted the construction of a three-level bowling alley in the waiting room of Grand Central Terminal (pp. 50, 164, JANUARY 1961 P/A). The board turned down the application by a vote of 4-0. Unfortunately, the terminal space is still in jeopardy, since it is



zoned for "restricted retail" activity, and one of the leaders of the bowling alley crowd stated that they still might jam in restaurants, bars, and assorted concessions.

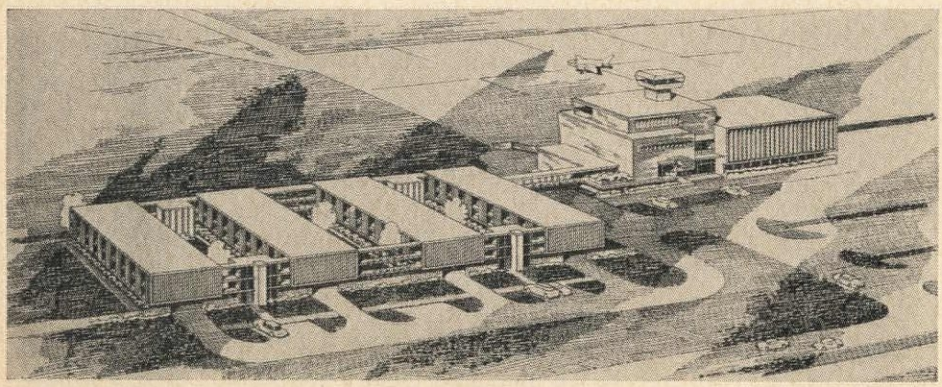
New York architects as a whole decried the bowling alley project, even though a group called the Architectural Bowling League—numbering among its members many who protested the plan—had applied for reservations in the completed alleys!

Sketch prepared by New York Chapter AIA to accompany a letter of protest to Mayor Wagner shows the waiting room as it is and as it would look with the ceiling lowered 45 ft.

AIA CONVENTION

Theme of the April 24-28 AIA Convention in Philadelphia will be "Redesigning Urban America." Author-economist John Kenneth Galbraith will be convention keynoter, and Lewis Mumford and Bruno Zevi will conduct a discussion on the esthetic, cultural, and sociological aspects of the city. Willo von Moltke, Roy Larson, Oskar Stonorov, Vincent Kling, Robert Geddes, and I. M. Pei will participate in a panel discussion of the renewal plan for downtown Philadelphia, with Edmund Bacon, executive director of the Philadelphia Planning Commission, in the chair.

Jury for the R.S. Reynolds Memorial Award, which is to be presented at the convention, consists of Paul Thiry, Minoru Yamasaki, Samuel T. Hurst, Hugh A. Stubbins, Jr., and Henrique E. Mindlin.



PRIVATE AIRPORT PLANNED FOR FORT WORTH

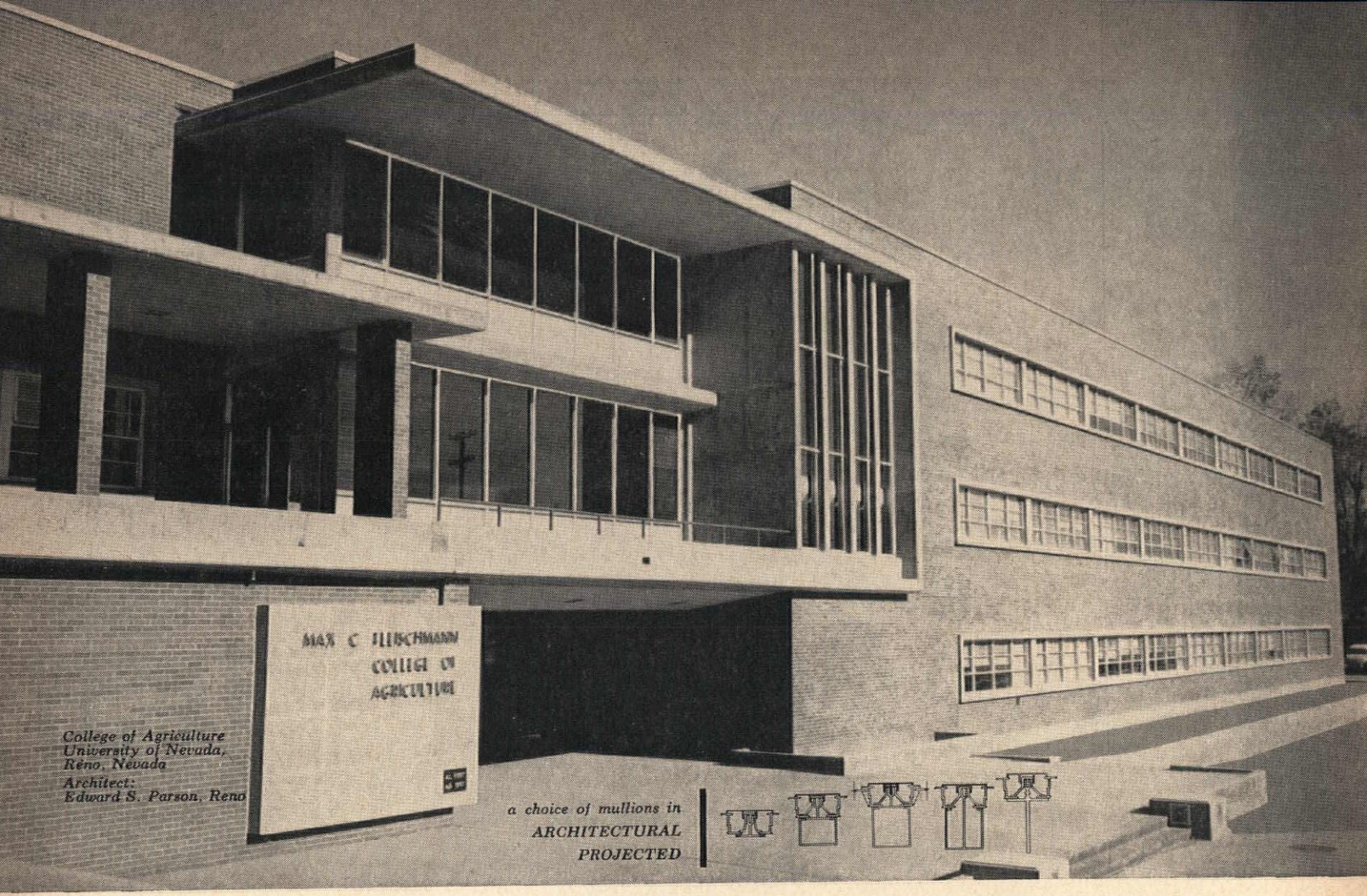
What probably will be the nation's most completely equipped private executive airport is under construction on U.S. 81 eight miles south of Fort Worth. Expected to be in operation by October 1961, it will provide hangar and storage space for 240 aircraft, and will have one 6000-ft and two 3000-ft runways. Designed "to serve the flying businessmen in the Southwest," the four-story terminal building will contain a barber shop, rent-a-car service, executive suites and office space, convention facilities, a ballroom, a conference room, and a private club in the penthouse. The project, designed by Harkrider, Clark & Jones for Sphere, Inc., will include a 128-unit motor hotel (with swimming pool) connected to the terminal building by a covered walkway. The four motel blocks will be raised a story to provide parking space on the ground floor. The 26 prefabricated hangars will be made by Inland Steel Products Company.



Austin Company Designs New Headquarters

The Austin Company has transferred the headquarters of its international engineering and construction organization to a 2½-story building at 3650 Mayfield Road, Cleveland Heights, Ohio. The 32,500 sq ft general office is the second Austin building on the company's 151-acre site on the perimeter of the projected Severance Shopping Center. Executives overlook a small lake from the second-floor wing, while the Research Division occupies its own wing, which spans a stream. General office space, a large exhibit lounge, and a 104-seat auditorium are on the

Continued on page 58



College of Agriculture
University of Nevada,
Reno, Nevada
Architect:
Edward S. Parson, Reno

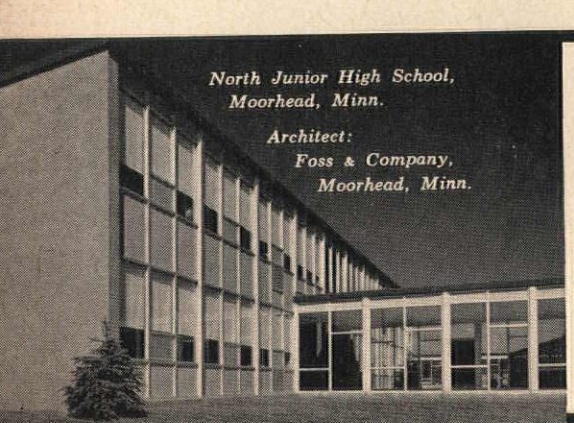
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North Junior High School,
Moorhead, Minn.

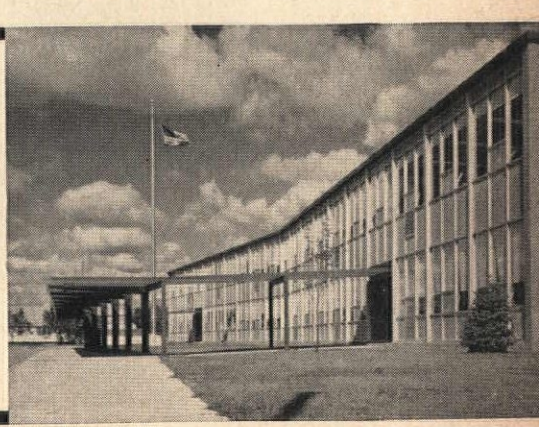
Architect:
Foss & Company,
Moorhead, Minn.

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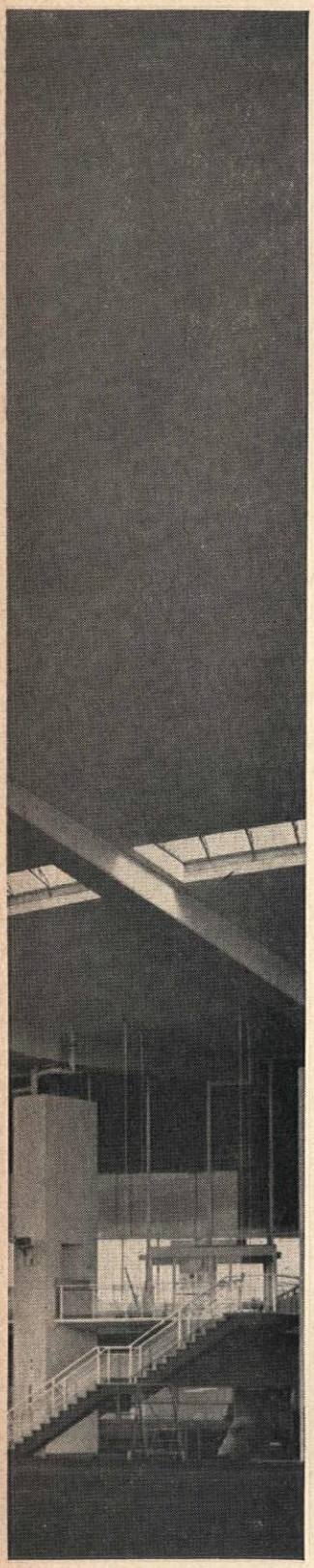
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New Pan American World Airways Passenger Terminal, New York International Airport.



Architects and Engineers: Tippetts-Abbett-McCarthy-Stratton, New York.

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frees design from conventional flashing limitations, cuts flashing labor costs 25% for new air terminal

45,000 square feet of Saraloy 400 roof flashing provide hundreds of *permanent* moisture seals for this ultra-modern air terminal. Among the many critical flashing problems solved by Saraloy 400 were: sealing 875 acute and obtuse angles created by almost inaccessible junctures of structural steel beams and purlins; flashing steel-to-concrete joints and lining scupper holes.

The design of the terminal's elliptical cantilevered roof produced 144 different odd shapes and angles where beams, purlins and equipment housing shells meet. Flashing with conventional materials would require that each seal be specially cut and custom-fitted, often to match curved contours. The labor costs for installing metal flashing would have been prohibitive. Because Saraloy 400 could be quickly and easily cut and formed on the job, labor costs were about 25% less than the cost of installing conventional flashing materials. And each seal is permanent.

Saraloy 400 is Dow's brand of flexible roof flashing. It can be bonded to almost any construction material, such as concrete, wood, metal, ceramic, and it can be painted. It provides a permanent watertight seal which won't check, peel or crack . . . and which moves with building contraction and expansion. For more information write to THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Dept. 1501EB2.



Saraloy accomplishes difficult flashing of bolted girder-purlin intersection

OTHER DOW BUILDING PRODUCTS

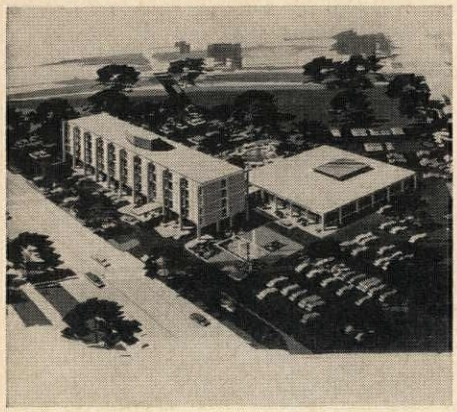
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SCORBORD* (pat. applied for)—Superior rigid insulation for foundation perimeters, slab floors. Exclusive pre-scoring speeds installation.

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THE DOW CHEMICAL COMPANY DOW Midland, Michigan

Continued from page 54
ground floor. A separate one-story structure supporting the outer end of the Research Division wing contains air conditioning and other equipment and part of the staff. The façade is light gray Georgia marble, black Norwegian granite, plate glass, and stainless steel. Interior materials include English oak and Brazilian rosewood paneling, teak floors, and special stainless steel hardware from Denmark.



Motor Hotel for Chicago's North Shore

Ground was broken last December for the Hyatt-Lincolnwood Hotel in Lincolnwood, Illinois, between Evanston and Chicago. The five-story, 160-room hotel, and the low restaurant building to which it is connected, will be of reinforced concrete construction with brick and glass exterior and tan-brick trim. The project will be located at the northwest corner of Lincoln and Touhy Avenues, and will include an outdoor swimming pool, terraces, and parking for 500 cars. It will be air conditioned and fireproof, will have two dining rooms, a coffee shop, a cocktail lounge, banquet areas capable of seating 750, and four private dining rooms. Architects: Hausner & Macsai and Friedman, Alschuler & Sincere.

Contest, Fellowship, Scholarship

The architect (or contractor) who comes up with what is in the jury's opinion the best and most original use of Sculptured Tile, a product of Stark Ceramics, Inc., will receive a trip to Paris and Rome for two. Deadline is March 31; entries will be judged by two architects and a contractor in Cleveland. . . . Details on University of Illinois's Kate Neal Kinley Memorial Fellowship for study in America or abroad may be obtained from Dean Allen S. Weller, College of Fine and Applied Arts, Room 110, Architecture Building, University of Illinois, Urbana, Ill. Applications must be made not later than May 22. . . . Candidates for the Rotch Traveling Scholarship must have a record of study or practice in Massachusetts. Requirements can be obtained from William G. Perry, Secretary, Rotch Traveling Scholarship Committee, 955 Park Square Building, Boston 16, Mass. Applications due March 20.

White House Conference on Aging

The present "population explosion" among the elderly of the nation has drawn increased attention to the problem of housing them. People over 65 now constitute more than nine percent of the population of the country, and this percentage is expected to be maintained—or even increased—in the next few decades. Most persons in this age group will face the problem of finding housing to meet their special physical and social needs within drastically curtailed incomes.

Activity in the field of special housing for the elderly is now expanding rapidly as a result of 1956 revisions to the U.S. Housing Act. The first effects of this legislation, in terms of completed projects, are just now being seen. (Next month's P/A will present a special feature on Public Housing for the Elderly).

Last month, 227 people from all over the country met in Washington to discuss housing for the aging and make recommendations to the Government. The group constituted one of the 20 sections of the White House Conference on Aging.

Although only about 20 of the delegates were architects, they took a prominent part in the program. Walter K. Vivrett, Professor of Architecture at the University of Minnesota, was the Technical Director of the Housing Section, in charge of assembling background information and organizing the delegates into working groups.

Among other architects participating were William Keck of Chicago, Edward Noakes of Bethesda, Preston Stevens of Atlanta, George Kassabaum of St. Louis, and Oskar Stonorov of Philadelphia. Without doubt, the best-known among the nonprofessional delegates was Miss Mary Pickford of Beverly Hills, California.

The most significant project in a display at the National Housing Center was Victoria Plaza, a public project in San Antonio, which will be presented in detail in next month's P/A. A full-scale apartment unit from the project gave the delegates some idea of the innovations included in the design, and a model allowed them to visualize its contribution to the city. Architect Thomas B. Thompson of San Antonio and Mrs. Marie McGuire, director of the city housing authority and keynote speaker for the Housing Section, were on hand to explain the program of the center.

Most of the conferees represented housing authorities, welfare agencies, and civic, professional and religious organizations. (The AIA was not represented). They all took their task seriously, discussing bitterly the problems and obstacles they faced and stoutly defending their proposed solutions.

These delegates were concerned principally with legal and economic means for making available more housing of suitable types and quality. They did not presume to make recommendations of design, but did discuss the relation of such housing to the community, a question on which the architects were able to speak with authority. It *was* agreed that the elderly must not be moved any farther than necessary from their previous neighborhoods, or from the facilities of the city core.

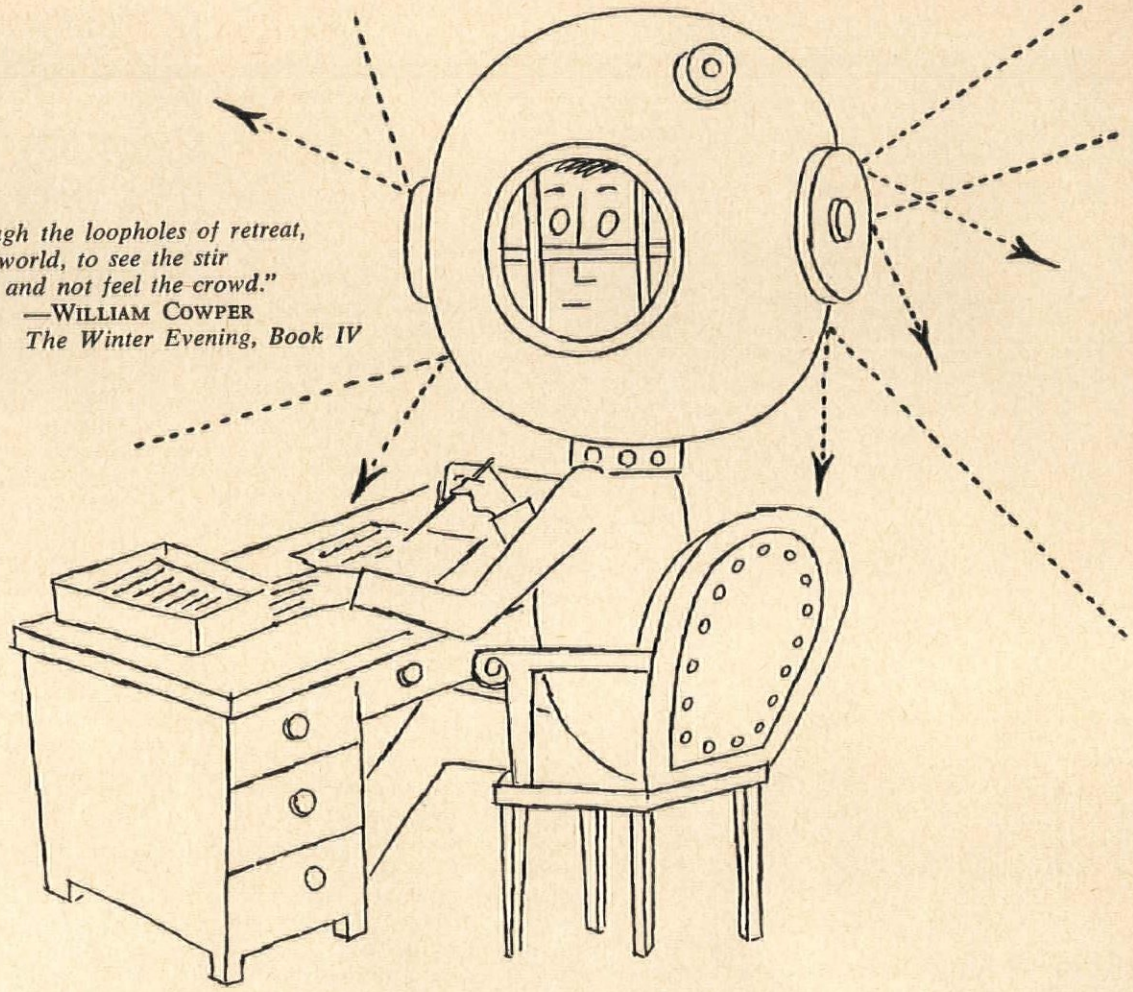
The importance of adequate housing for independent living, in order to reduce dependence on institutional facilities, was stressed repeatedly. The inadequacies of present institutions and inconsistencies in their regulation were criticized.

The question that generated the most heat was that of private versus public sponsorship. All proposals that called for increased Government subsidies were attacked as unfair to private enterprise. One such recommendation survived a floor fight when it was emphasized that public housing was endorsed only for those with inadequate means to obtain decent private housing. Experience has shown that this group makes up a large portion of the over-65 population, and that it is housed for the most part at public expense, even if not in public projects.

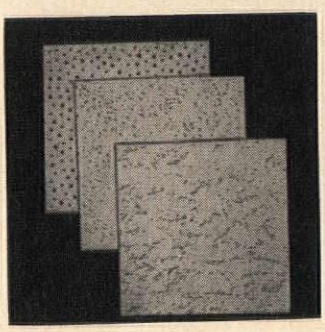
The problems of those who are ineligible for public housing, yet who are often inadequately housed, led to recommendations on the administration of FHA. Several delegates protested the unrealistic requirements

Continued on page 60

"Tis pleasant, through the loopholes of retreat,
To peep at such a world, to see the stir
Of the great Babel; and not feel the crowd."
—WILLIAM COWPER
The Winter Evening, Book IV



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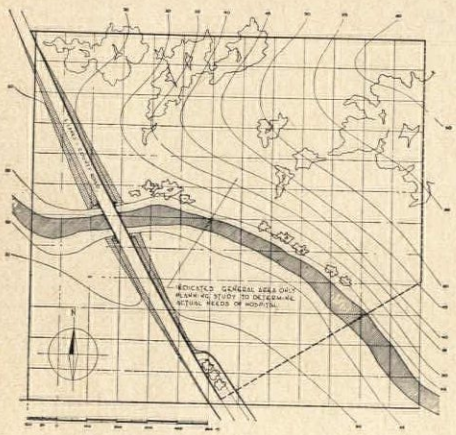
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and excessive red tape of the present program.

Although the recommendations of the conference are unlikely to affect the design of housing for the elderly directly, they will have many indirect effects on the quantity and type of projects constructed. Submitted to a new Administration that seems to favor an increase in public spending, these recommendations should stimulate further the already phenomenal growth of special housing for the elderly. J.M.D.



$25,000 Awards Program Set

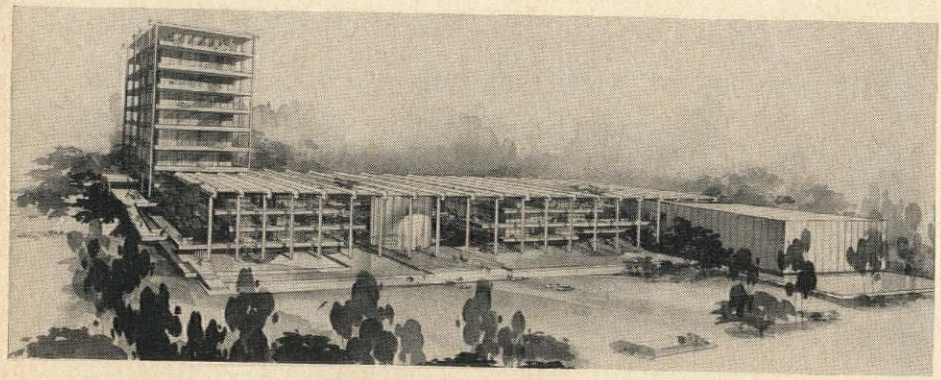
Theme of the third annual architectural competition sponsored by Mastic Tile Division, The Ruberoid Company, is development of medical facilities to complement the residential, educational, and recreational areas that have been designed in the two previous programs. Hypothetical site shown would adjoin the education-recreation site of last year's competition (pp. 54-55, SEPTEMBER 1960 P/A). Jury is headed by E. Todd Wheeler, chairman of AIA's Committee on Hospitals and Health, and includes Donald S. Nelson, Broad & Nelson, Dallas; Donald E. Neptune, Neptune & Thomas & Associates, Pasadena; James J. Souder, Kiff, Colean, Voss & Souder, New York; and Ray E. Brown, director of the graduate program in hospital administration at the University of Chicago. A. Gordon Lorimer, New York, is professional advisor. Details and registration forms are available directly from Ruberoid or from its field representatives. Deadline for receipt of entries is June 30.

Hilltop Research Center for Electronics Firm

Hoffman Electronics Corporation's U-shaped Science Center is on a 10-acre site on top of one of the highest hills in Santa Barbara, Calif. Offices for the staff of 50 scientists and engineers are along the two end walls of the long, raised structure, giving views of the city below and the Santa Ynez mountains to the northeast. Laboratory space adjoins the offices and opens onto the interior, landscaped



court. Interior corridors are not provided because covered walkways surround the building. The base of the U contains the entrance lobby, research library, and visiting director's suite. Construction is of laminated beams with glass and plaster panels. The landscaped central court provides a place for informal seminars, and there is a raised swimming pool for the staff to use. Entrance to the building (*right*) is by a flight of stairs suspended over a reflecting pool. The center is planned for eventual expansion to six times this size. Architects: William L. Pereira & Associates; Gin Wong, partner in charge.



Concrete Frame to Hold Movie-TV Museum

Hollywood's Motion Picture and Television Museum, to rise on a 3½-acre site opposite Hollywood Bowl, will be, in effect, a series of large platforms suspended in a structural "cage" of prestressed concrete. The opaque building in the rendering will house a completely equipped sound stage and television studio, where visitors will be able to watch production of films and television shows. Major portion of the museum will be devoted to exhibits telling the history and explaining the technical aspects of both media. Special areas will contain a projection theater, a hall of fame and wax museum, rooms dedicated to winners of film and TV awards, and a restaurant whose various rooms will recreate sets of famous motion pictures. An adjoining office tower will be added in increments as the need develops. Architects: William L. Pereira & Associates.

CALENDAR

Annual meeting of The Aluminum Association in Cleveland this month (14th, 15th, 16th, and 17th) will be highlighted by a trip to Oberlin College to mark the 75th anniversary of the discovery, by Charles Martin Hall, of the electrolytic process that set aluminum on the road to becoming the second most widely used metal in U. S. industry.

Architectural Tour Sponsorship

Sponsors of the Creighton-Lux-led tour of eastern Europe and Scandinavia, announced on page 54 of last month's issue, are Le Compagnie Mondial des Voyages, McGinniss Travel Service, and Air France.

OBITUARIES

William C. Mann, Mann & Harrover, Memphis, Tennessee, died December 31 after a short illness. His young firm won a number of awards, including several from P/A. . . . Frederick H. Brooke died in Washington, D.C., at the age of 82. He was the American architect on the British Embassy there, and designed the District of Columbia War Memorial in West Potomac Park.

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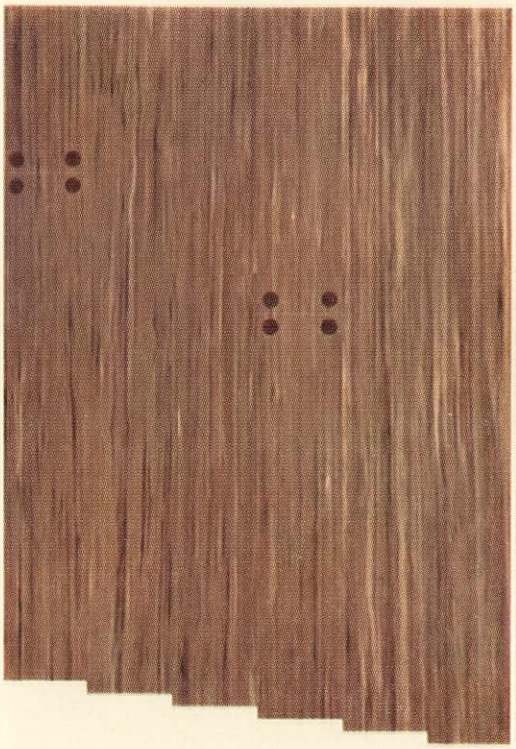
Please send full details on Eastern Acoustical Materials.

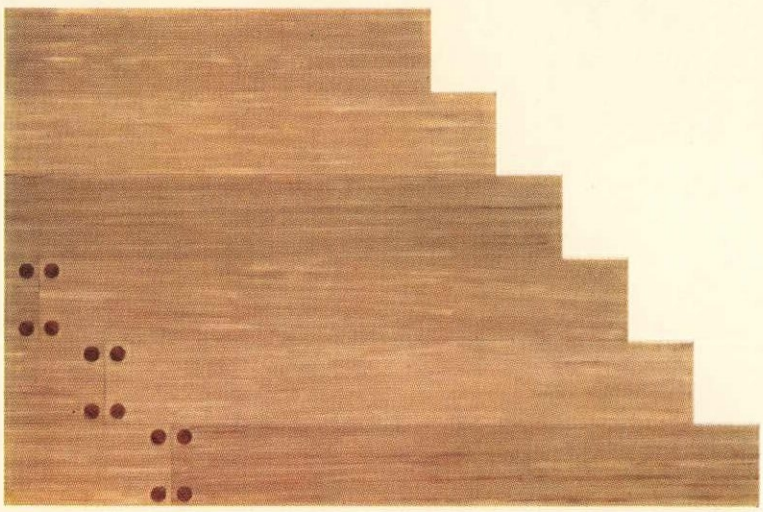
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APPOINTING NEW FRONTIERSMEN



By E. E. Halmos, Jr.

Appointments of men to the Government's "second-echelon" jobs—the 500 or more heads of independent agencies and important bureaus within the Federal departments—are the matters of key importance to anyone who does business (or wants to) with the Federal Government.

With the major Cabinet appointments already made, these below-Cabinet-level jobs were beginning to be filled as Congress opened for business again January 3, and Washington began to recover from its unnatural political vacuum.

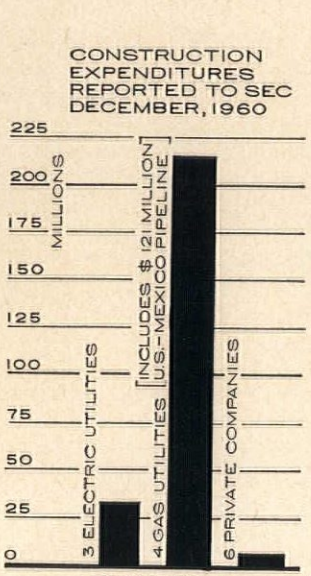
As most architects know, Washington operates what is probably the world's biggest "rumor mill"—and it has been running at full speed on a 24-hour basis for months, while the new Administration struggles with its job of taking over. The rumor mill operates best, of course, when it is fed as few facts—but as much unfounded conjecture—as possible. The principal product has been hundreds of names of men who will—or won't—be appointed to the policy-making, contract-administering posts.

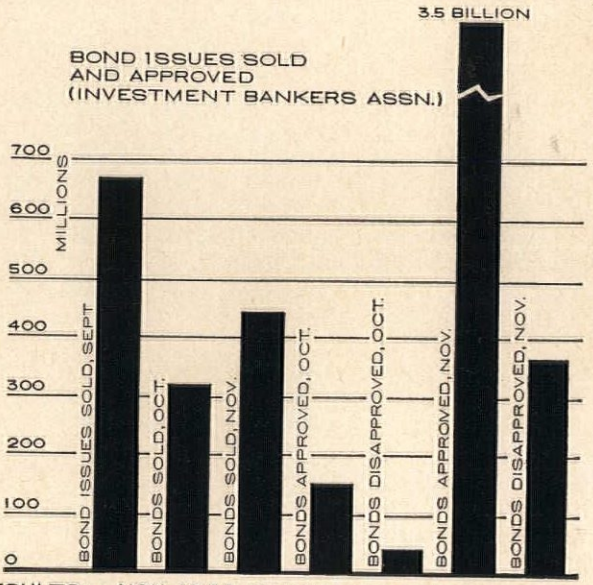
For architects, the key second-level jobs can be listed handily: Commissioner of the General Services Administration; Administrator of the Housing and Home Finance Agency; Commissioner of the Federal Housing Agency; Commissioner of the Public Housing Administration; Administrator of the Veterans Administration; chiefs of the engineering branches of the armed services; Commissioner of the Bureau of Reclamation; Commissioner of Indian Affairs; and administrator of the Federal highway program.

Of these, GSA, HHFA, FHA, PHA, VA, and the highway post are subject to Presidential appointment. Subject to Cabinet appointment or assignment by the head of the particular agency involved are heads of the HHFA's Urban Renewal Administration and the Community Facilities Administration; the subchiefs of GSA—principally Public Buildings Service; VA subposts; and BuRec and other such agencies. The military service chiefs—of the Corps of Engineers, the Navy's Bureau of Yards and Docks, the Air Force Civil Engineers—are appointed for regular "tours," and all three present chiefs have several years to go yet before their terms expire.

Some of these key appointments had already been made before Congress got under way—principally those of New Yorker Robert C. Weaver as head of HHFA, and Missourian Rex Whitton as administrator of the Federal highway program.

(Incidentally, the presession furor over the so-called regulatory agencies should have little effect on architects or the construction industry, even if something is done to bring them under closer Presidential or Congressional control. Although some of these agencies—such as the Federal Power Commission—do have an effect on





BOND ELECTION RESULTS – NOV. 1960 BY USE OF PROCEEDS

USE OF PROCEEDS	APPROVED		DISAPPROVED	
	AMOUNT	NO	AMOUNT	NO
EDUCATION:				
ELEM. & SEC.	403,578,000	172	75,196,000	40
OTHER	268,240,000	14	9,874,000	9
ROADS & BRIDGES	145,900,000	25	58,194,000	22
WATER & SEWER	2,005,256,000	70	39,498,000	43
OTHER UTILITIES	21,950,000	6	450,000	1
HEALTH & WELFARE	178,959,000	24	15,913,000	13
RECREATION	18,879,000	16	38,556,000	26
PORTS & AIRPORTS	64,615,000	6	21,642,000	6
INDUSTRIAL	1,161,000	3	1,852,000	2
REFUNDING	—	0	—	0
FLOOD CONTROL	4,337,000	3	1,300,000	2
PUBLIC HOUSING	10,500,000	3	500,000	1
VETERANS AID	135,000,000	1	500,000	1
ADMIN. & OFFICE BLDG.	12,683,000	6	15,173,000	15
UNCLASSIFIED	183,469,000	58	85,780,000	31
TOTALS	$ 3,454,527,000	407	$ 364,428,000	212

BOND ELECTIONS SCHEDULED AS OF DEC. 1, 1960

MONTH	AMOUNT
DECEMBER 1960	94,146,000
JANUARY 1961	66,665,000
FEBRUARY "	79,721,000
MARCH "	74,650,000
APRIL "	23,800,000
MAY "	2,060,000
JUNE "	7,000
NOVEMBER "	915,986,000
NO DATE SET	31,100,000
TOTAL	$ 1,288,135,000

USE OF PROCEEDS	AMOUNT
EDUCATION:	
ELEM. & SEC.	125,083,000
OTHER	5,410,000
ROADS & BRIDGES	79,400,000
WATER & SEWER	102,482,000
OTHER UTILITIES	915,986,000
HEALTH & WELFARE	1,900,000
RECREATION	1,379,000
PORTS & AIRPORTS	9,850,000
INDUSTRIAL	3,335,000
REFUNDING	20,000
FLOOD CONTROL	—
PUBLIC HOUSING	—
VETERANS AID	—
ADMIN. & OFFICE BLDG.	—
UNCLASSIFIED	43,290,000
TOTAL	$ 1,288,135,000

construction work, it is quite remote from actual field operations.)

One other point, before leaving discussion of the make-up of the new Administration: Watch for action on legislation that would renew the President's authority to reorganize agencies. The pertinent law expired a year and a half ago, despite President Eisenhower's request for renewal. The Kennedy Administration is certain to seek the same authority—and Congress' action will be the tip-off on how far it will go along this line.

Satellite Cities?

Regional planning agencies, wrestling with the growing transportation headache around Washington (and all other major metropolitan areas), continue to push for the idea of satellite towns as a solution. (Architects will recall that Great Britain embarked on just such an idea right after World War II—an idea which, for various reasons, has had no success to date.)

Latest proposal—advanced by the National Capital Regional Planning Council and the Baltimore Regional Planning Council after a 13-month study—calls for 50 cities with populations of from 75,000 to 150,000 ranged about Washington and Baltimore (about 40 miles apart).

Idea would be that each satellite would have a "substantial" employment center of its own, its own business and entertainment districts, but would be connected to others and to the two big cities by a transit system. Satellites would be separated from each other by publicly owned lands used as parks or sites for connecting freeway loops.

Problem would be the enormous untangling of legislation and local governmental units that would be necessary before such a system of satellites could be built according to any plan, and the certainty that local governments would fight hard against any loss of their present powers.

But the task of providing some sensible means of transportation in the sprawling areas around the nation's big cities is one of increasing importance, particularly as more people begin to realize that highways alone simply cannot solve the problem.

In the Washington area, for instance, the Maryland State Roads Commission is asking the legislature for power to condemn lands for use for rapid transit systems, as well as highways. Such action has been opposed, so far, by the Federal Bureau of Public Roads, on the ground that Federal funds may not be used for transit purposes. However, it is expected that the new Administration will seek a broader interpretation.

Labor Pains

Housing—and all other areas of construction—will be vitally concerned with the offensive the building-trades unions are already mounting to get legal permission for "common situs" picketing (striking a whole job, even if a dispute is with a single one of many contractors).

As Congress began its session, such a change in the basic labor act still didn't seem likely to get through, but labor was pledged to push for it—and hard.

On another labor front, though, there seemed to be some hope of a solution to the jurisdictional disputes that have plagued the missile-base construction program:

The AFL-CIO was reported to be reviewing its "no stoppage" agreements of World War II vintage. Implication is that if the construction unions renew such pledges, they'll want some assurances from the Defense Department of employment of their members.

Behind the unions' concern is the very real threat that Congress might step into the matter with more restrictive legislation; criticism of the building trades on this score has been growing in Washington.

Classical Madison —Controversial FDR

Two proposed monuments—in monument-studded Washington—got into the news during the month.

One of these, for the moment at least, was noncontroversial: a monument to President James Madison, for which no site or design has been selected. Senator Willard Robertson of Virginia said the Madison memorial might utilize the 24 sandstone columns, left over from recent remodeling of the Capitol, as its central theme (though the columns would have to be protected from the weather).

The controversy arose—not unexpectedly—over the selection of a prize-winning design for a monument to Franklin D. Roosevelt (pp. 47—50).

Reaction to the design selection ranged from guarded newspaper comment on the originality of the idea to the *Washington Post's* headline characterization of "Book Ends Out of the Deep Freeze."

Reaction of the Roosevelt family was in general equally guarded—but certainly not approving.

As you know, the selection of the winner of the design contest is far from the end of the story. Various public bodies must now approve, as must Congress, and the estimated $4.3-millions cost must be raised both by public subscription and from Congress. It is estimated that at the very least it will be five years before anything is actually built on the site fronting the Potomac River.

Parking Problems

Washington's apparently ever-growing acreage of spaces devoted to parking automobiles — spaces that have now encroached on park areas surrounding Government buildings, as well as vacant lots — came in for criticism and a solution shocking to many a Government employe:

The Bureau of the Budget and the General Services Administration completed a study which recommended that Government employes be charged for parking space, with the money to be used to finance construction of garages. Such a move, figured the two agencies, would (1) force more carpooling, thus resulting in fewer cars on the streets; (2) force greater use of available public transportation.

It is estimated that the city will have a "deficit" of 11,500 parking spaces by 1968.

FINANCIAL

As the new year got under way, business prospects for the construction industry continued to look good to many forecasters.

Latest forecast came from the traditionally optimistic Associated General Contractors, which foresaw a total of $57.3 billions of new construction (plus $19.5 billions for maintenance and repair work) for 1961.

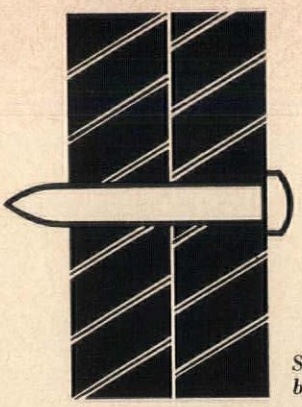
That prediction is exactly in line with the outlook released a month ago by the Department of Commerce (JANUARY 1961 P/A), and it relies on the same elements: some recovery in housing; a substantial upsurge in privately financed work, plus gains in public works; and the hope that no major stoppage or catastrophe will interfere.

Again, these predictions were being bolstered by other factors that continue to attest to the strength of the construction sector of the economy.

For example, there was evidence that money has eased somewhat over the past several months: The FHA reported interest rates (average) on conventional first mortgages for both new and older homes were down about 0.05 percent near the end of the year (from July).

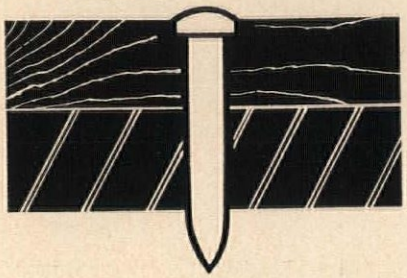
Another example: The Department of Commerce Business and Defense

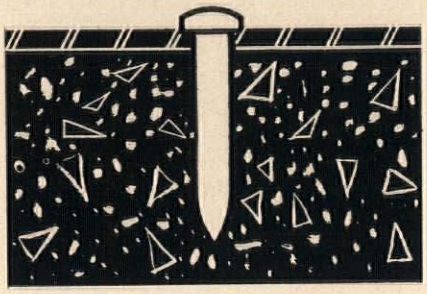
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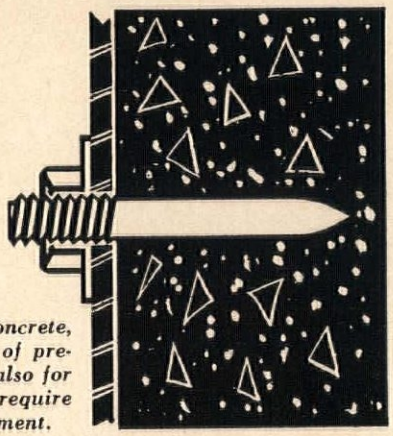
Steel to steel, such as angles and brackets to beams.

Wood to steel, wherever such application is required.



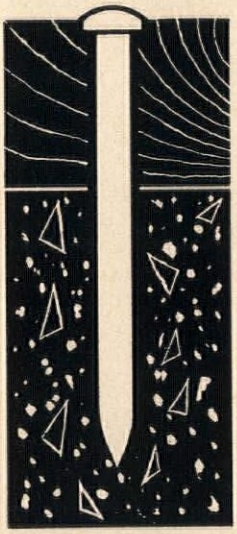


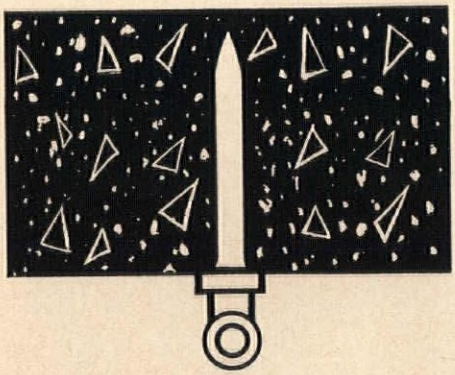
Steel to concrete, such as conduit and pipe clips; duct straps, angles, brackets and braces.



Threaded studs to concrete, such as attachment of predrilled materials — also for materials that may require removal or replacement.

Wood to concrete, such as furring strips, sill plates, partition plates.





Overhead concrete installations, such as drop ceilings, electrical fixtures.

The distinctive sound of powder actuated tools has replaced much of the wearying staccato of traditional fastening methods; and because of their fatigue-saving advantages the tools offer greater efficiency than less modern fastening equipment.

Powder actuated tools, with their complete mobility and light weight, satisfy an extremely wide variety of fastening needs: wood to concrete; steel to concrete; steel to steel — wherever fastening is required. To help you discover more ways powder actuated tools can work for you, the Powder Actuated Tool Manufacturers' Institute provides a free portfolio of current information. Simply mail the coupon today!

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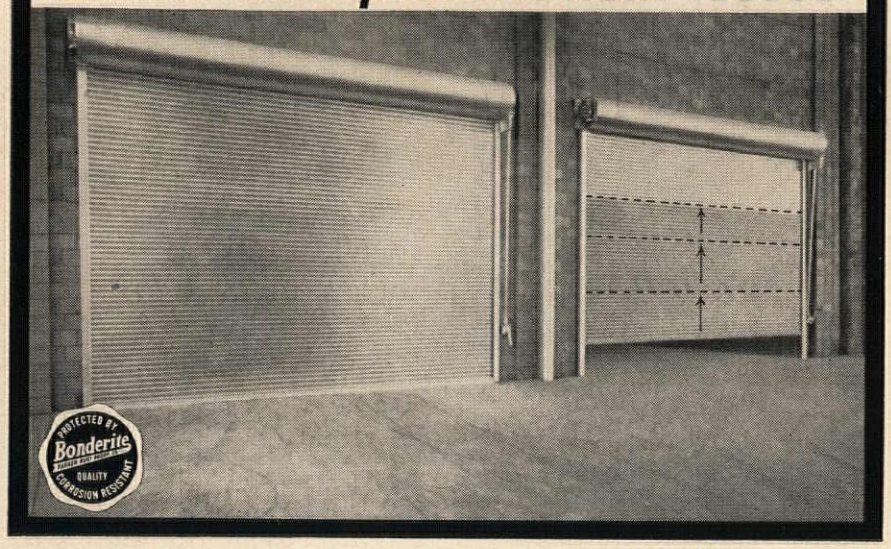
For more information, turn to Reader Service card, circle No. 333

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Please send me information on powder actuated tool fastening.

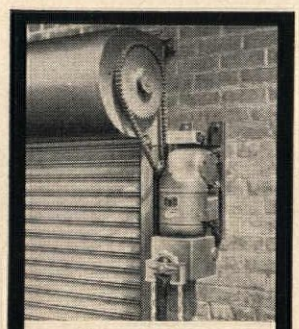
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CITY _____ ZONE _____ STATE _____

No representative will call, unless you so request.

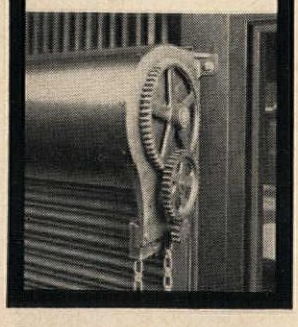
MAHON ROLLING DOORS... VERSATILE SPACE-SAVERS ...that also prevent heat losses



Heat costs money. With Mahon Rolling Doors you keep wintertime heat losses to a minimum in your plant, warehouse or railroad facility. These positive-action doors have to be opened only as much as necessary for easy transit—the space-conserving roll-up action can be stopped at any height—closure is quick and easy. You'll be pleasantly surprised at the difference Mahon Rolling Doors make in your employees' working efficiency . . . and your heating costs. Whether you're building, modifying or modernizing—upgrade with quality Mahon Rolling Steel Doors . . . ruggedly built for long life so that the doors and the diverse advantages last.



Mahon makes rolling doors in manual, mechanical or power-operated models in standard or Underwriters' labeled types



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- M-Floors (Steel Cellular Sub-Floors)
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- Acoustical and Troffer Forms
- Acoustical Metal Walls, Partitions, and Roof Deck
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For more information, turn to Reader Service card, circle No. 366

Services Administration said that sales of electrical construction materials (including wiring, lighting fixtures, etc.) will increase about 4 percent this year over 1960. Since 1960 sales will be up about 7 per cent over 1959, this is a substantial jump.

Still another: The "Value Line" survey also expects new construction outlays to go up this year, powered by a sizable expansion of Government spending on highways and public works. This in turn will mean better business in another year for building supply manufacturers: the full effect probably won't be felt until early in 1962.

This same upturn in highways and heavy construction, incidentally, is expected to help construction machinery manufacturers, who have been hard hit (operating at less than 55 percent of capacity) over the past year or so.

Contributing to this optimism, of course, is the certainty (as noted here last month) that Congress will pump some new money into several areas with reasonable speed: aid for school construction, for depressed areas, and housing for the elderly, for instance.

And then there is the continuing evidence of taxpayer support for bond issues that will support construction work (p. 63).

One interesting factor, though, for any observer familiar with construction operations, is the speed with which planners decide on construction as a solution for problems of unemployment and business stimulation.

Undeniably, construction work will do just that—but most people outside the business simply do not realize the time that must be consumed in planning and other activities before actual construction work can begin. That's one reason, incidentally, why the huge Federal-aid highway program was such a disappointment to many people in its early years—even though highway engineers, architects, and others consistently pointed out that it takes an average of 20 months from the time the money is available until the time that construction contracts are ready for letting.

Building projects often don't take that long. But, as many architects know, GSA figures up to three years from authorization to actual construction of Government buildings.

Members of the profession should sound this sort of a warning while legislation is in progress, in order to prevent a black mark against them later, in the mind of the public, when the appropriations don't produce jobs and a new flow of money the day after they are made. Pass this advice to your consultants on government jobs.

There's no fine print in Onan's pricing policy!

'Strip-downs' and 'price-adders' are getting out of hand in the electric plant industry. There have always been a few who have sold strictly on price, and of course, got the price down by stripping equipment of essential components.

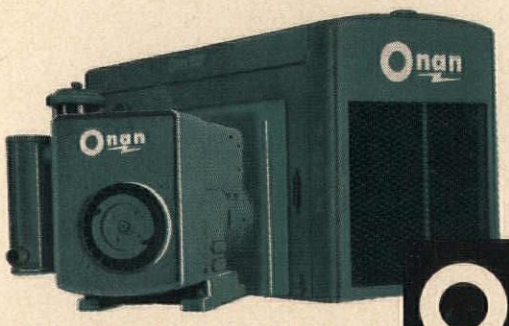
Today, some leading manufacturers are stripping-down their electric plants.

These stripped-down prices *are* attractive. But when you add the cost of such essentials as oil and water pressure gauges, battery-charging ammeter, over-speed shutdown, radio suppression, flexible exhaust tubing—*even mufflers!*—what happens to your bargain price? You're right—you wind up paying more.

Onan has never produced a stripped-down model, has never used essential operating accessories as 'price-adders.'

Today, more than ever, it will pay you to go over electric plant prices with an eagle eye. *Compare Onan prices with others before you buy.* (But read the fine print.)

C. W. Onan, President



Onan Electric Power Plants are available in sizes from 500 to 230,000 watts.

World's leading builder of electric power plants

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ONAN Division, Studebaker-Packard Corporation, 2651 University Avenue S.E., Minneapolis 14, Minn.

For more information, turn to Reader Service card, circle No. 331

NEWS from Dow Corning

Silaneal Prevents This



Assure Lasting Beauty For Your Designs– Specify Silaneal When You Specify Brick

Why take chances with efflorescence and other discolorations that mar the beauty of your buildings? Make it a practice to specify Silaneal® protection when you specify brick. Applied by the brick manufacturer, Silaneal makes brick water repellent. Thus, dirt is rain-washed away rather than being absorbed . . . and efflorescence is minimized.

Which brick should have Silaneal?

Any brick with a suction rate *above* 20 grams should have *all* surfaces treated with Silaneal for improved laying properties, better bond strength and minimum water penetration. Brick having a suction *below* 20 grams should be treated on the exposed faces but not on the *bedding* surfaces. See suggested Architectural Specification on the opposite page.

Speeds Construction

Brick with Silaneal treated bedding surfaces need no wetting before lay-up. Mortar joints stay workable longer. Completed walls brush clean quickly.

Write for this helpful information

1. Silaneal Bulletin, AIA File No. 3F.
2. Full color descriptive movie.
3. List of manufacturers offering Silaneal treated brick.

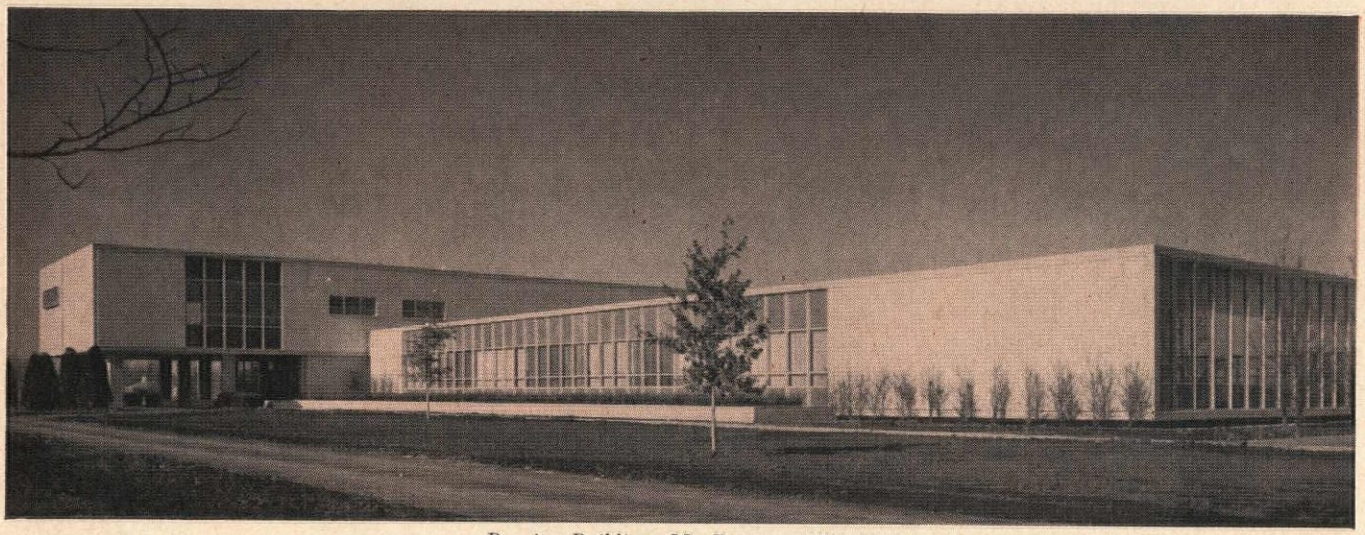
Address Dept. 7314.

Specify

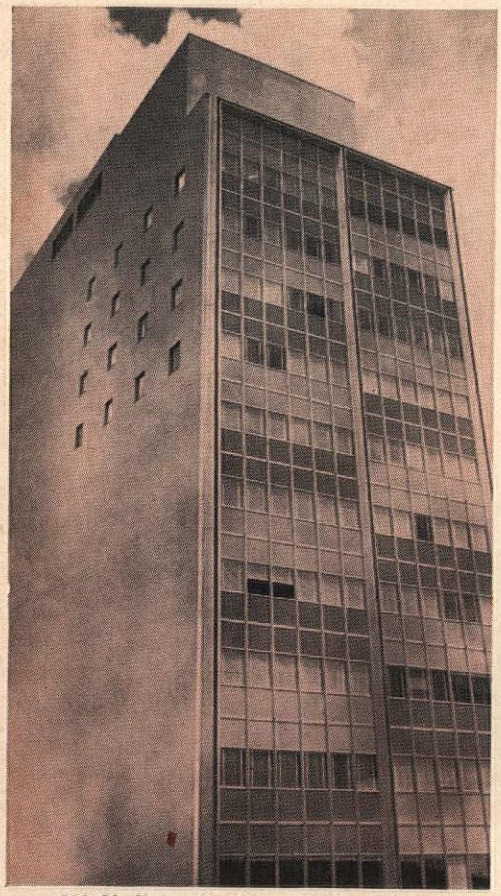
SILANEAL®
keeps brick clean

Dow Corning

...keeps these buildings beautiful!



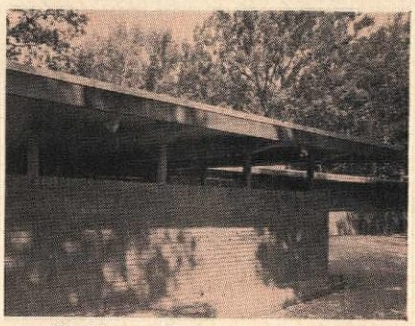
Bruning Building: Mt. Prospect, Illinois.



211 N. Ervay Building: Dallas, Texas.



Carlton Motel: Dallas, Texas



Residence: Saginaw, Michigan.

Suggested Specification for Silaneal

From Dow Corning Bulletin AIA File No. 3F.

"Brick having suction above 20 grams per minute (per 30 sq. in. of bedding surface) shall be treated at the brick plant with Silaneal® (manufactured by Dow Corning Corporation). The Silaneal concentration shall be adjusted until the brick pass the following test:

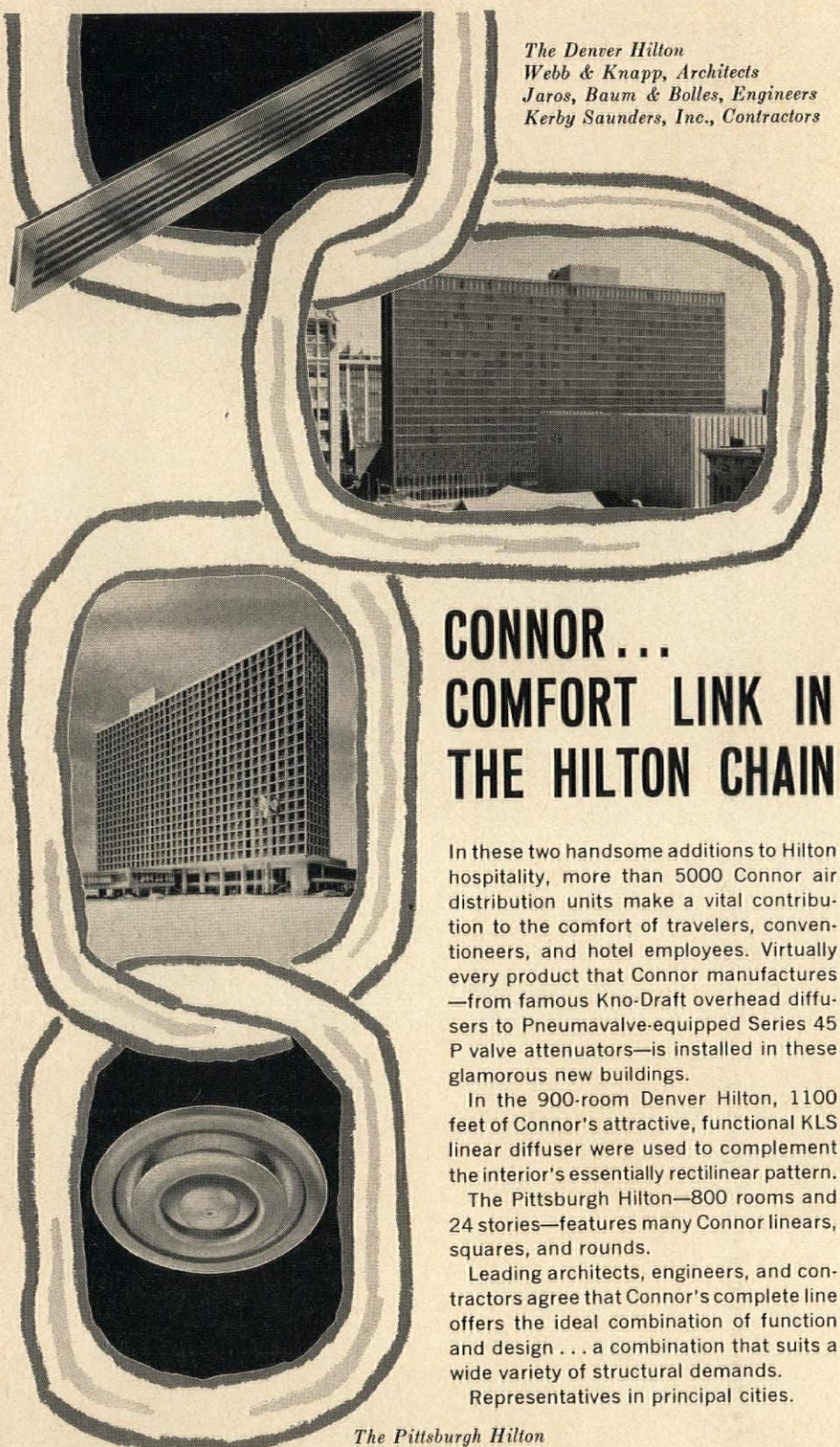
Allow bricks to air-dry 24 hours after treatment. Weigh the brick and place bedding-side-down in 1/8-inch of water. Remove after 60 seconds and weigh again. The average increase in weight shall lie between 1/3 and 2/3 gram per square inch of surface tested (between 10 and 20 grams for a nominal 4 x 8 brick having a bedding surface of 30 square inches).

Brick having suction below 20 grams, but which may have a tendency toward efflorescence or other staining, shall be sprayed with Silaneal® on the face and two ends only. Treatment concentration shall be of sufficient strength to control efflorescence and staining."

NOTE: There are several brick manufacturers who produce brick having low suction which already perform similar to a Silaneal treated brick. Little improvement in efflorescence control and reduction in dirt pickup could be accomplished by treating this type of brick with Silaneal. Silaneal treatment would not improve the laying properties of this type of brick.

CORPORATION MIDLAND, MICHIGAN

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The Denver Hilton
Webb & Knapp, Architects
Jaros, Baum & Bolles, Engineers
Kerby Saunders, Inc., Contractors

CONNOR... COMFORT LINK IN THE HILTON CHAIN

In these two handsome additions to Hilton hospitality, more than 5000 Connor air distribution units make a vital contribution to the comfort of travelers, conventioneers, and hotel employees. Virtually every product that Connor manufactures —from famous Kno-Draft overhead diffusers to Pneumavalve-equipped Series 45 P valve attenuators—is installed in these glamorous new buildings.

In the 900-room Denver Hilton, 1100 feet of Connor's attractive, functional KLS linear diffuser were used to complement the interior's essentially rectilinear pattern.

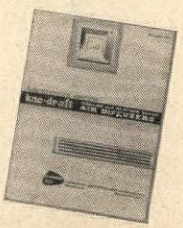
The Pittsburgh Hilton—800 rooms and 24 stories—features many Connor linears, squares, and rounds.

Leading architects, engineers, and contractors agree that Connor's complete line offers the ideal combination of function and design . . . a combination that suits a wide variety of structural demands.

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Limbach, Contractors

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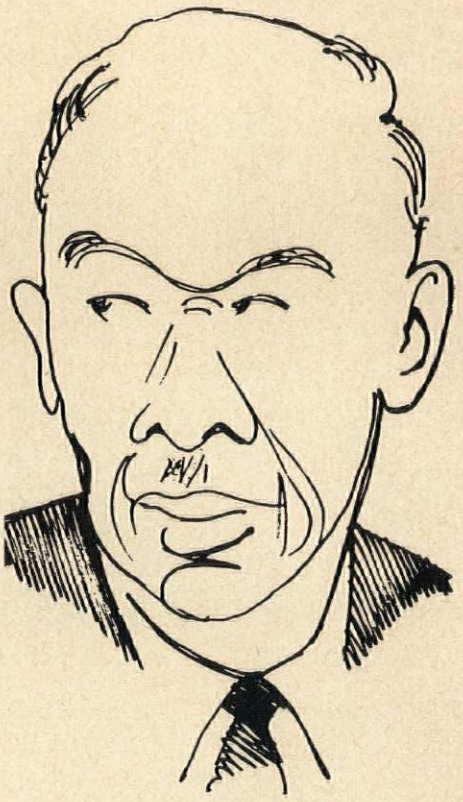
AIR DIFFUSERS

CONNOR ENGINEERING CORPORATION

DANBURY • CONNECTICUT

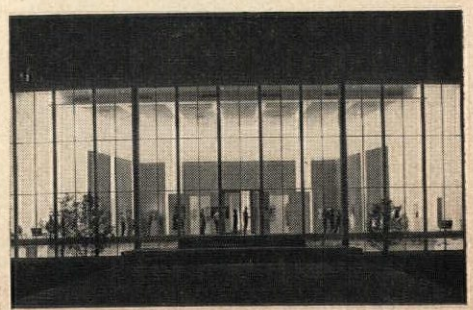
For more information, turn to Reader Service card, circle No. 367

SWEENEY SQUARES THE CIRCLE



HOUSTON, TEXAS The pendulum has swung from one extreme to the other for James Johnson Sweeney. Having resigned in August from the Frank Lloyd Wright-designed Guggenheim Museum (p. 58, SEPTEMBER 1960 P/A), he has just been appointed director of the Museum of Fine Arts of Houston, latest addition to which was designed by Mies van der Rohe (*below*).

Sweeney, whose *métier* has long been the creation of a museum of art rather than the administration of a popular-education type program (emphasis on which led him to leave the Guggenheim), has as his goal in Houston the establishment of the Museum of Fine Arts as "an art center of world reputation." He states that it should be "a Texas museum, not merely a Houston museum. But it should not be merely a Texas museum. It should take its place as one of the significant museums of the United States and of the world."

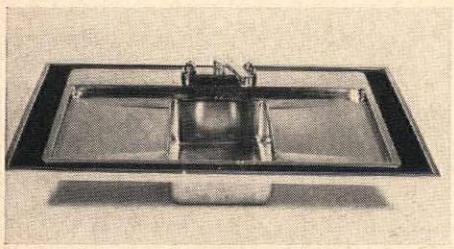


tinguishes Skidmore, Owings & Merrill's new Memorial Coliseum in Portland, Ore. The new material was supplied by Georgia-Pacific Corp. and U.S. Plywood Corp. in co-operation with Kimberly-Clark Corp., makers of acrylic plastic overlay. Installation of the ½"-thick, factory-finished, edge-sealed panels was rapidly accomplished by crews working from a permanent traveling scaffold which will be used for window washing. Maintenance of the surface is expected to be quite low. New material will be



made in a number of colors, as well as white. Georgia-Pacific Corp., Equitable Building, Portland 4, Ore., and United States Plywood Corp., 55 W. 44th St., New York 36, N. Y.

On Free Data Card, Circle **107**



Sink Has Recessed Drainboard

Stainless steel sink insert comes in two models—single bowl with two drain sides (shown) and double bowl style. Unit is recessed from counter, making draining simple. Drainboards and bowl(s) are manufactured in one integral unit, obviating seam leakages. Amenities include cutting board that slides from left to right, and a colander that also slides and, when turned over, becomes a drainboard. Kitchen Conditioner Co., 169 Lodi St., Hackensack, N. J.

On Free Data Card, Circle **108**

Foamglas Now Sandwiched In Kraft Paper

"Foamglas," Pittsburgh - Corning's popular cellular glass material, is now available in a new form. "Foamglas Board" is produced by sandwiching

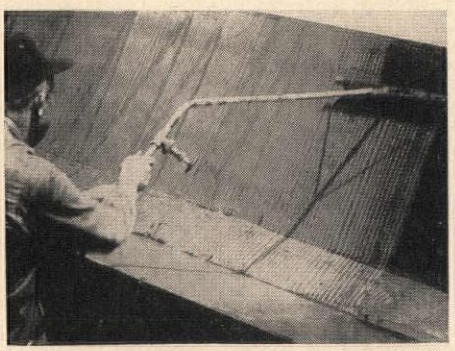


several 1½"-thick blocks of Foamglas between two layers of laminated kraft paper, with a special asphalt for adhesive. Laminating paper is recessed ⅛" from the edge of the board to permit tightly butted joints that can be sealed with roofing bitumen. Availability of the insulation material in board form speeds installation time and cuts labor for roof insulation applications. Boards are 24" x 48", weigh about 10 lbs. Pittsburgh Corning Corp., 1 Gateway Center, Pittsburgh 22, Pa.

On Free Data Card, Circle **109**

Armstrong Announces Fluid Applied Roofing

A weatherproofing roofing compound for use on unusually configured roofs has been made available by Armstrong Cork. The process, which can be applied by air-operated, pressure-fed rollers, hand rollers, or conven-



tional spraying equipment, employs two compounds: F/A 400, which is based on neoprene and serves as a primer base coat, and F/A 600, based on Hypalon and providing weather-resistance and color for the surface. Basic color is white, but coating may be pigmented with other colors on request. Thickness recommended is 20 dry mils, producing a surface membrane which will weigh, in most cases, less than 20 lbs per 100 sq ft. Armstrong Cork Co., Lancaster, Pa.

On Free Data Card, Circle **110**

Lights Use Handblown American Glass

Lights fashioned of handblown American glass come in two shapes: a curved cone pendant (group shown) and a hemisphere. Colored shades are



over a white opal ball, accommodating up to a 100-watt bulb. Hemispheres are frosted and crackled for a unique appearance, style shown is of smooth glass. Prices range from $13.75 up to $40.75 for a group. Designed by Norman Cherner for Raymor Manufacturing Co., Inc., 225 Fifth Ave., New York 10, N. Y.

On Free Data Card, Circle **111**

Heat Storage System in Solar-Earth Heat Pump

Two collecting and dissipating coils of "Wether-Bee," a solar-earth source heat pump, serve as storage and utilization elements for heat. Heat collected by the exposed coil is transmitted to a reservoir coil in the earth, to be used on cold nights or cloudy days. By spring, when the system has a low-condensing medium available, it is prepared to utilize the winter's cold to absorb the summer's heat. The heat pump is compact and may be installed in an upright, counter-flow, or vertical position. One unit conditions year-round. The pump is also manufactured as a water source unit for either water or air distribution. Tests have given it a coefficient of performance of 4.02. Heat Pump Systems, Inc., 232 South River St., Aurora, Ill.

On Free Data Card, Circle **112**



Formica Enters Door Field

With the purchase of Logue Woodworkers, manufacturers of Con-Dor-Lux doors, the Formica Corporation is now in the door business. Doors can be specified in any color, pattern or wood-grain Formica plastic laminate. Doors arrive at the job site premortised and ready to hang (orders for the doors will include hardware specs to allow for premortising). The doors are created to fit their specific openings, regardless of type of frame. They are packaged separately and arrive marked for their individual openings. Floor-to-ceiling door shown is surfaced in a dark wood-grain laminate. Formica Corp., 4614 Spring Grove Ave., Cincinnati 32, Ohio.

On Free Data Card, Circle 113

Concrete Hardener Makes Floors Last Longer

"Flintcrust Liquid" is said to prevent sanding and dusting of heavy-traffic concrete floors by hardening the outer layer into a tough surface. It is flushed on just like water and works immediately so that traffic need not be interrupted. Flexrock Co., 3686 Cuthbert St., Philadelphia 1, Pa.

On Free Data Card, Circle 114

Urethane Floor Sealer Withstands Roller Skates

Urethane has been put to use to protect a wood gymnasium floor that is used for roller skating on week ends. Varnishes or sealers (required on gym floors to maintain appearance and ease of cleaning) powdered away under this unusual traffic, exposing the wood to the abrasive action of the skates. The new finish soaks into wood, and tests are said to indicate that it is twice as tough as conventional floor finishes. It is applied by the same methods as a regular floor finish and in the same amount of time, and takes only four hours to dry. Its higher cost is said to be compensated for by its long life and labor-saving advantages. The coating resin, "Spenkel F77-60MS," is sold by Spencer Kellogg & Sons, Inc., P. O. Box 989, Buffalo 5, N. Y.

On Free Data Card, Circle 115

1500-Watt Quartzline Lamp for 240-Volt Power

"Quartzline" lamps, useful because they last twice as long as conventional bulbs and retain their original light output throughout their life, were previously available only in 500 watts for 120-volt power, and 1500 watts for 277-volt power. General Electric has now brought out a 1500-watt lamp to serve the many areas where the lamps can be used effectively but where only 240-volt power is available. The new lamp is available only in limited quantities at present, and costs about $21.75. General Electric Co., Nela Park, Cleveland 12, Ohio.

On Free Data Card, Circle 116

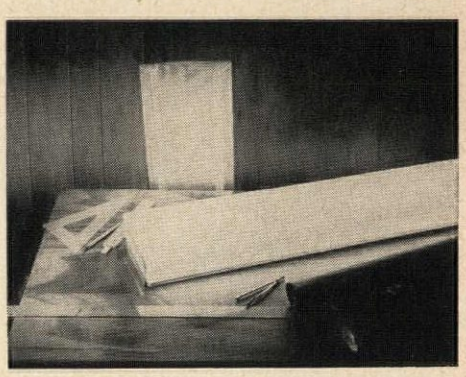
Modular Bank Counters Are First of Their Kind

A new concept in bank counter design —a modular system of furniture—is said to be the first of its kind on the market. Only six separate components



serve as the basic design; additions and variations in placement allow for easy expansion and individual styling. A completely new line of undercounter equipment has also been developed, to accompany the modular counters. Twelve basic units offer a variety of possibilities for particular requirements. A large variety of finishes is available—over 100 colors and patterns in plastic-laminate surfacing, also marble and mosaic tile. Advantages cited by manufacturer for the patent-protected system are versatility, flexibility, ease of installation, and economy. Remington Rand Systems, Division of Sperry Rand Corporation, 122 E. 42 St., New York 17, N. Y.

On Free Data Card, Circle 117



Plastic Refractor Resists Discoloration

A new compact lighting fixture has a prismatic refractor molded of "Styron Verelite," a light-stabilized polystyrene that will resist yellowing and discoloration for years. Trademarked "Photometric," the fixture (by The Wakefield Company of Vermilion, Ohio) is designed for both surface and stem mounting. It is available in 4′ or 8′ lengths, and measures less than 4″ in depth. The molded refractor allows the units to be connected in luminous rows with no metal between to cause contrast. The Dow Chemical Company, Midland, Mich.

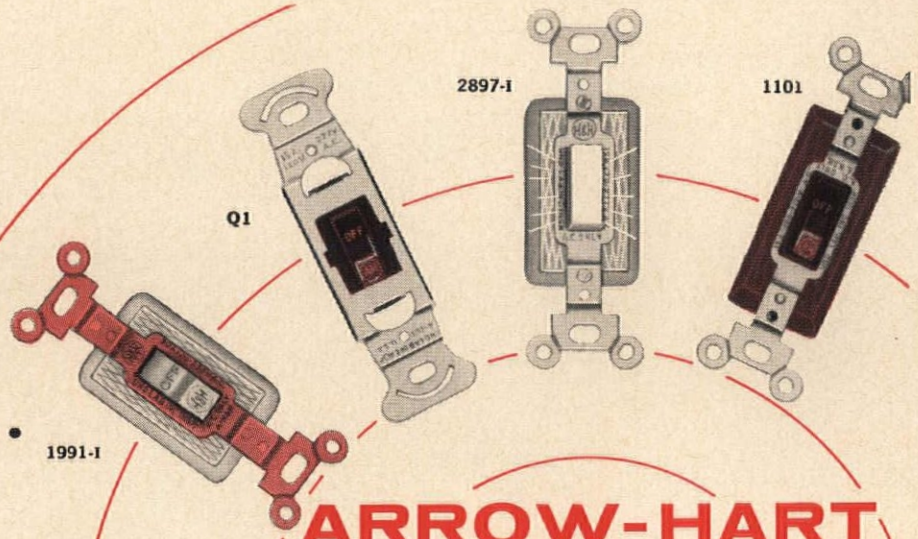
On Free Data Card, Circle 118

Food Waste Disposal At High Volume

High-volume disposal of food waste in supermarkets, hospitals, food-processing plants, and restaurants can be handled easily and hygienically by a new powered disposal unit. Unit is constructed in a manner similar to heavy-duty hammer mills in order to offer long life and to take care of the large feeds in automatic disposal of waste food materials. Operation begins automatically when water valve is open, and stops when the valve is closed. Waste is moved to the grinder at a uniform rate to prevent overloading regardless of the amount fed into the hopper. Cabinet model is 50″ long x 23″ wide x 36″ high, weighs 625 lb. Buffalo Hammer Mill Corporation, 1247 McKinley Pkwy., Buffalo 18, N. Y.

On Free Data Card, Circle 119

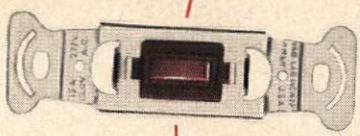
a family of Quality...

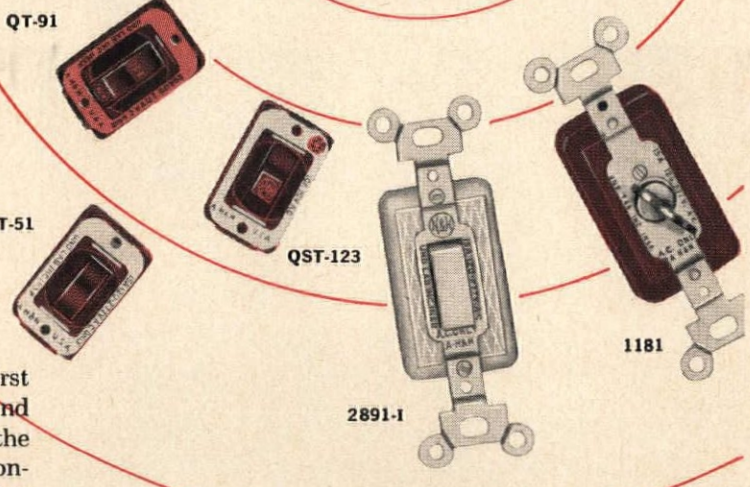


ARROW-HART

AH

Quiette A.C. Switches





Only Yesterday . . . Arrow-Hart pioneered in creating the first switch featuring quiet, mechanical action, and was the first to offer a complete line of quiet switches.

Today . . . Arrow-Hart, having introduced more quiet switches than any other manufacturer, ranks first in the design and development of these switches and now offers the most modern switch available — the Space-Saver Quiette Switch. Designed for thin-wall construction, the Space-Saver Quiette Switch is a further addition to Arrow-Hart's full line of Quiette A.C. Switches — the most complete line available!

Whatever your specifications, there's a member of the Arrow-Hart Quiette Switch family engineered for the application.

Write for your copy of the new folder, "The Complete Quiette Switch Line," Form No. 327-G1371 to The Arrow-Hart & Hegeman Electric Company, Dept. PA, 103 Hawthorn Street, Hartford 6, Conn.

H&H *SWITCHES SHOWN INCLUDE H&H SPECIFICATION GRADE.*

Listed as standard by Underwriters' Laboratories.

UL

ARROW AH HART

Quality since 1890

WIRING DEVICES • MOTOR CONTROLS • ENCLOSED SWITCHES • APPLIANCE SWITCHES

WHEN YOU THINK OF WIRING DEVICES, THINK OF ARROW-HART

For more information, turn to Reader Service card, circle No. 354

To qualify a client's building for lowest fire insurance rates, reinforcement of a roof deck with an unprotected undersurface is a necessity



...the danger of failure is always present when fire strikes if roof decks are simply specified and built to meet "incombustible" ratings.

Keydeck roof deck reinforcement gives concrete or gypsum decks the tensile strength and monolithic character needed to qualify for hourly fire resistance ratings . . . necessary to get lowest fire insurance rates.

Keydeck also gives greater strength and greater impact resistance to roof decks than ordinary reinforcement.



Take Terrazzo, for instance. You wouldn't dream of specifying this floor without detailing proper curing, final cleaning, sealing and finishing. Naturally you follow the recommendations of the National Terrazzo and Mosaic Association.

Compare Hillyard products with these recommendations*. You'll find these specialized products are formulated to form a natural partnership with the terrazzo floor.

While N.T.M.A. grants no approvals, contractor member firms widely approve and use the following terrazzo treatments.

Recommended: Use a liquid resin base membrane coating for proper curing immediately after the Terrazzo is poured.

Hillyard CEM-SEAL seals original moisture in new terrazzo's concrete matrix for complete cure and a harder, denser, longer-wearing floor.

Recommended: "Fill the original pores.. Terrazzo is benefited by a penetrating (non-varnish) seal."

Hillyard SUPER ONEX-SEAL® protective seal for terrazzo gives a color-bright surface needing no further finish. UL listed, non-slip.

Recommended: "Use a neutral liquid cleaner as recommended by member firms of the N.T.M.A."

Hillyard SUPER SHINE-ALL® is a neutral chemical liquid cleaner that thoroughly cleans and brightens without harm to terrazzo or its matrix. UL listed, non-slip.

*"Terrazzo Maintenance", pub. by N.T.M.A., Wash., D. C. NTMA Flash, July 17, 1959.

Let the Hillyard "Maintaineer®" recommend treatments that meet flooring manufacturer or association specifications, give you professional "Job Captain" service. He's

"On Your Staff, Not Your Payroll"
Since 1907



ON TERRAZZO • WOOD • ASPHALT
RUBBER • VINYL • CONCRETE
OR GYMNASIUM—

You'll *Finish* Ahead with

HILLYARD

BRANCHES AND WAREHOUSES IN PRINCIPAL CITIES
Dept. A-4
San Jose, Calif. ST. JOSEPH, MISSOURI Passaic, N.J.



Write for FREE Hillyard A.I.A. Files. Practical treating guides, one for each type of flooring.

MANUFACTURERS OF QUALITY BUILDING PRODUCTS
PRODUCERS COUNCIL

IN SWEET'S ARCHITECTURAL FILE

For more information, turn to Reader Service card, circle No. 318

AIR/TEMPERATURE

Air-Conditioning News

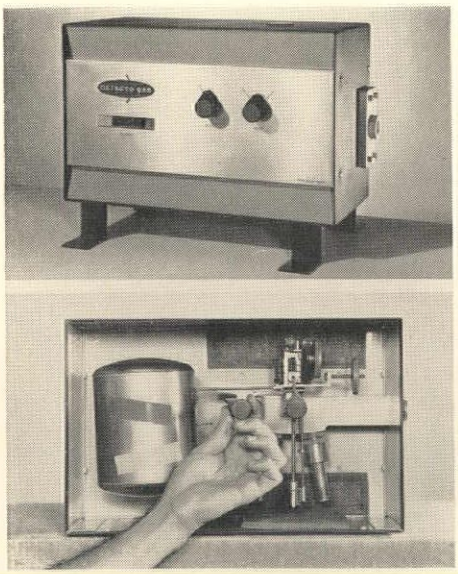
News of air-conditioning applications, developments, and equipment is reported in bimonthly issues of *American Air Facts*, 4 pages. Printed in five regional editions, the first three pages of the newspaper will be identical for all editions; fourth page will contain additional news of local projects and problems. American Air Filter Co., Inc., 215 Central Ave., Louisville 8, Ky.

On Free Data Card, Circle **200**

Ducted Electric Heating

Fresh-Air Electric Heating, 40 pages, describes the various methods of heating by electricity and demonstrates the desirability of ducted systems. Booklet points out that ducted electric heating simultaneously provides for air freshness, humidity control, continuous filtering, greater safety, better temperature control, and addition of central air conditioning. System design is thoroughly described. A brief presentation of products is followed by suggested applications, with floor plans showing recommended duct layouts. Lennox Industries, Inc., 200 South 12th Ave., Marshalltown, Iowa.

On Free Data Card, Circle **201**



Gas Monitor Guards Against Explosions

A new automatic gas-detection safety device is described in 4-page brochure. "Monitor" senses changes in air density caused by gas accumulations, but is unaffected by changes in humidity, pressure, or temperature. The instrument can set off any type of alarm system through its explosion-proof switch. Cost of unit is said to be less than one-third the cost of existing automatic gas-detection equipment. Size is a compact 15½" x 7" x 10¼". Detectogas Instruments, Inc., 3110 Eastside, Houston, Texas.

On Free Data Card, Circle **202**

CONSTRUCTION

New Lath Designed for Machine Application

"Pinholath," an advanced gypsum lath, is the first specifically designed base for machine application of plaster. Considered a major development in the industry, due to the material and labor savings made possible by its exclusive design, this pin-holed lath has been proven to give greater absorption and, with plaster, greater impact resistance than regular laths now being used for machine application. Its most significant economy is in making it possible to apply full thickness of base coat in one application. Data sheet, 2 pages, describes product. Bestwall Gypsum Co., 120 E. Lancaster Ave., Ardmore, Pa.

On Free Data Card, Circle **203**

New Standard for Douglas Fir Plywood

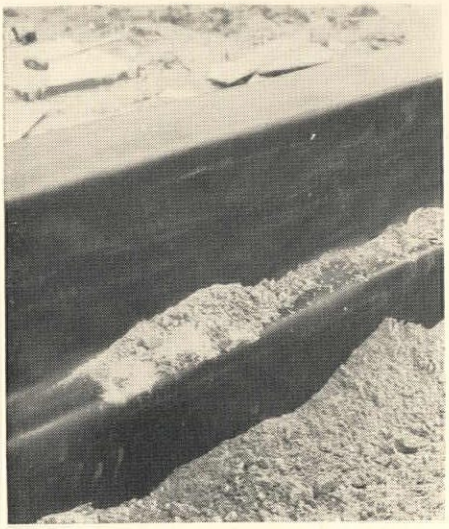
New *U.S. Commercial Standard for Douglas Fir Plywood* has been issued, superseding all previous editions. Numerous revisions have been made "in the interest of assuring plywood products of reliable, predictable quality and performance." Discussed in the 20-page booklet are specifications relating to definitions, requirements, sampling and testing, standard stock sizes, special constructions, inspection, marking, method of ordering, and nomenclature. Approved DFPA grade-trademarks are reproduced on final pages. Douglas Fir Plywood Association, 1119 A St., Tacoma 2, Wash.

On Free Data Card, Circle **204**

Revised Standard on Heavy-Timber Decking

New 28-page *Standard for Heavy-Timber Decking* has been announced. Under development for the past two years, the new standard represents a compilation of the best information available within the industry. It applies to sawn decking only, not to laminated decking. Information covers species, sizes, patterns, lengths, moisture content, application, specifications, allowable unit stresses, and roof-load span tables. American Institute of Timber Construction, 1757 K St. N.W., Washington 6, D.C.

On Free Data Card, Circle **205**



Thin Sheet for Flashing, Waterproofing

New product for elastic through-wall flashing and membrane waterproofing has been announced. Trademarked "Saraloy 200," the thin-gage flexible sheet is recommended for most waterproofing and flashing applications that do not involve direct sunlight. These include window heads and sills, spandrels, belt and base courses, foundations, tunnels, machinery pits, swimming pool aprons, and shower pans. Nominal thickness of the tough sheet is 1/32". Illustrated pamphlet, 4 pages, gives physical data, recommendations, and specifications. Building Products Sales, The Dow Chemical Co., Midland, Mich.

On Free Data Card, Circle **206**

Research House Explores Uses of Plywood

Tomorrow's Home Today is a complete case history of a research house built to explore the uses of fir-plywood components in home building. The 16-page booklet describes the house built in Champaign, Ill., by DFPA, Plywood Fabricator Service, Inc., and the Lumber Dealers Research Council. In-

Continued on page 85

NOW

Impact and Abrasion Resistance

Maximum abrasion resistance under extreme test conditions . . one minute of strong sand-blasting completely destroyed a baked enamel panel, and removed 90% of a catalyzed epoxy-coated panel—while GLID-TILE *showed no change* in the same test!

Corrosion Resistance

GLID-TILE cures to a nonporous coating that withstands many highly corrosive agents—most acids, solvents, alkalies and hot water. It can be easily cleaned with strong soaps and detergents without harming the beauty and life of the finish.

Stain and Chemical Resistance

GLID-TILE offers chemical and stain resistance against damaging substances such as citric, acetic and lactic acids, grease, oil, chemicals and gaseous fumes. Bacterial contamination can be easily eliminated from GLID-TILE by standard cleaning methods.

Versatility in Application

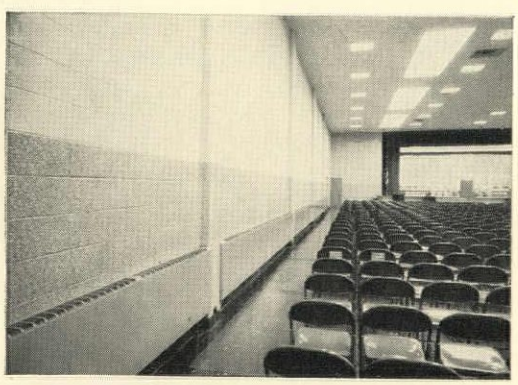
GLID-TILE has versatility—it may be used on many types of surfaces . . . masonry blocks, poured concrete, cement-asbestos panels, wood and metal.

Wide Choice of Tile-Like Colors

A broad range of the latest pastel colors are available by tinting GLID-TILE with Glidden Dramatone Multi-Purpose Tinting Colors.

Easy, Low-Cost Maintenance

GLID-TILE costs only a fraction of the usual structural, glazed or ceramic tile, yet is outstanding in performance and beauty. There are no hard-to-clean, unsanitary mortar joints, which often deteriorate and require expensive replacements.



Walls in high-traffic areas retain their tile-like beauty for many years when coated with Glidden plastic finishes.

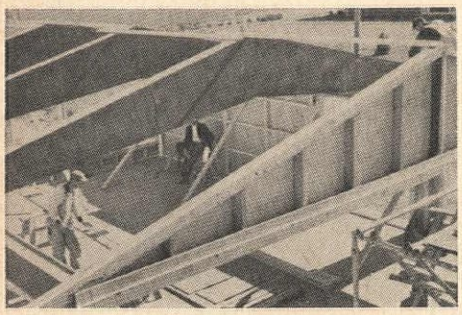
Refer to Sweet's Architectural File $\frac{13\,H}{GL}$

Glidden plastic finishes offer beauty and easy maintenance for maximum cleanliness wherever they are used.



For more information, turn to Reader Service card, circle No. 314

Continued from page 81



cluded are details of planning, design, and engineering of the six types of components used in the house, and the conclusions that may be drawn from various structural innovations. No materials larger than 2 x 4's were used in the house. Detailed descriptions and photographs of fabrication and erection of the components are provided. Douglas Fir Plywood Association, 1119 A Street, Tacoma 2, Wash.

On Free Data Card, Circle **207**

DOORS/WINDOWS

Full-Size Details on Weatherstripping

Full-size details are a prominent feature of new 1961 catalog of weatherstripping designs. Catalog, 28 pages, shows extruded aluminum and bronze weatherstripping for doors, windows, saddles, lightproofing and soundproofing, sliding doors, and saddles for floor-hinged doors. Recently developed products and specifications are shown. Zero Weather Stripping Co., Inc., 453 E. 136 St., New York 54, N.Y.

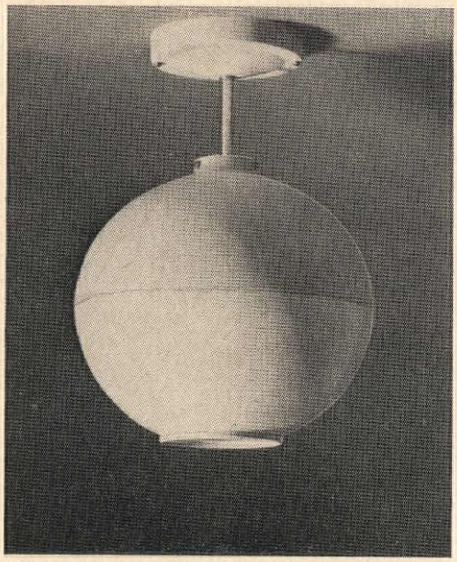
On Free Data Card, Circle **208**

ELECTRICAL EQUIPMENT

High-Efficiency Fluorescent Lamps

Introducing High-Efficiency Fluorescent Lamps, 4 pages, presents technical data and application suggestions for the new light source. Lamps create a new type of white fluorescent light, making them especially suitable for applications where high light output at low cost is more important than critical color rendition. Output is 15% higher than cool white lamps, 36% higher than daylight lamps. Lamp Division, Westinghouse Electric Corporation, Box 388, Bloomfield, N. J.

On Free Data Card, Circle **209**



New Pendant Fixtures For Ceiling or Wall

New series of ceiling-mounted and wall-mounted lighting fixtures is illustrated in 4-page brochure. The fixtures are styled to meet demands for effective lighting without glare, and incorporate the "Rotaflex" spun-plastic shades and globes for light diffusion. Rodisco, Inc., Division of Heifetz Company, Clinton, Conn.

On Free Data Card, Circle **210**

INSULATION

Aluminum Jacketing for Insulation Protection

Bulletin ICB, 4 pages, describes "Al-Cor-Jac" aluminum jacketing, which is applicable not only to piping systems but also to the covering of indoor and outdoor storage tanks, air-conditioning and heating duct work, vents, and any other insulated equipment with a regular shape. Photos of typical installations are provided. Material is available in corrugated or plain rolls and sheets, in 5 aluminum gages. Insul-Coustic Corporation, 42-23 54th Rd., Maspeth 78, N.Y.

On Free Data Card, Circle **211**

SPECIAL EQUIPMENT

Vibration and Noise Controlled by Isolation

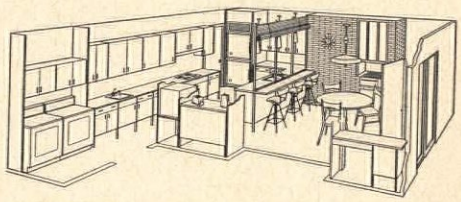
New *Booklet K4G*, 8 pages gives engineering specifications and performance data for 27 types of products for the control and measurement of machinery vibration, shock, and noise. Installation photos show a variety of equipment and the solution of typical problems. Bulletin contains a detailed description of relative merits of steel springs, rubber, and cork as isolation media. A selector chart includes a wide range of equipment, indicating recommended and alternate methods of isolation, and indicating when concrete foundations are necessary. The Korfund Company, Inc., Cantiague Rd., Westbury, L.I., N.Y.

On Free Data Card, Circle **212**

Sound Barriers of Lead

Improved Sound Barriers Employing Lead is a 12-page report of studies by Bolt, Beranek & Newman on the reduction of sound transmission. Technical data and accompanying text show how lead can be used effectively as an acoustical material. A typical example calculates the transmission loss of ⅜" fir plywood. Then the effect of laminating a 1/16" lead sheet to the plywood is calculated. Lead Industries Association, 292 Madison Ave., New York 17, N.Y.

On Free Data Card, Circle **213**



Kitchen Planning

How to Plan a Trend-Setting Kitchen presents 20 pages of full-color kitchens, some from existing homes, some from the firm's Merchandise Mart displays. Each kitchen presents colorful and comfortable solutions to the problems of food storage and preparation, serving, and dining. New "Gourmet" and "Custom" refrigerators and freezers are featured. Revco, Inc., Deerfield, Mich.

On Free Data Card, Circle **214**

Fabrics for Protective Covering

Protective Cover Fabrics is a 14-page general guide to the principal uses of various weather-protective fabrics. Illustrated with sketches of typical applications, the booklet discusses cotton duck, cotton drills, tent twills, and

Continued on page 88

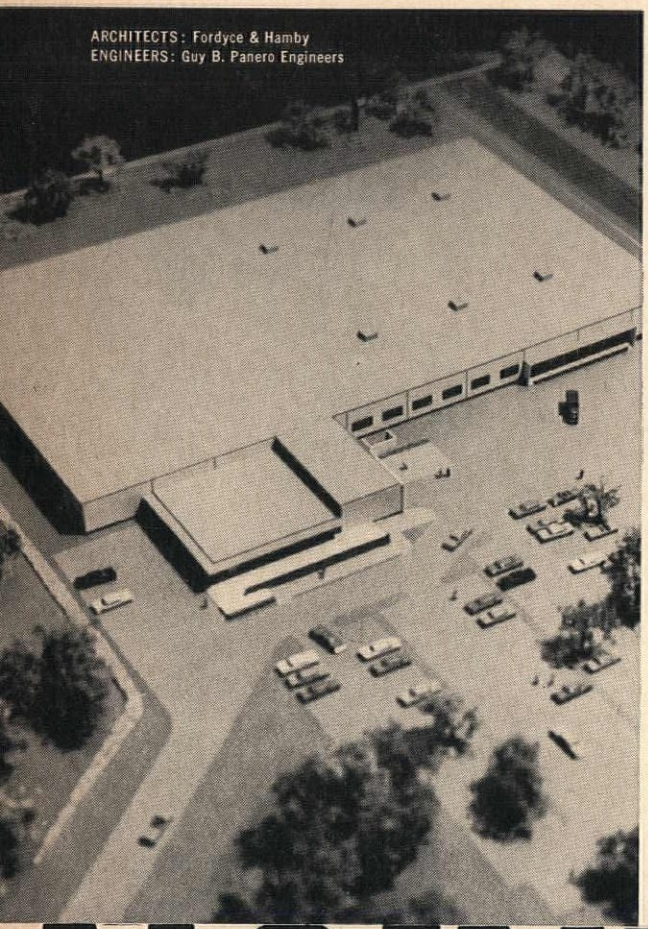
NEW SINGER DISTRIBUTION CENTER TO DELIVER OPTIMUM SAVINGS THROUGH

DIVIDEND E

The new Singer Distribution Center at Syosset, Long Island, is a good example of what Dividend Engineering can mean to a new building. This modern structure has a roof area of 103,800 square feet. Too little or too much roof insulation could result in wasteful expenditures for power, fuel, equipment or material. The architects and engineers determined the correct thickness by using Dividend Engineering data to analyze the economics of various thicknesses. They found that four inches of Fiberglas* Roof Insulation was the optimum thickness for maximum heating and cooling cost savings. The increased thickness costs $38,000 more, but it will produce savings that more than justify the expense.

Let us demonstrate Dividend Engineering on one of your current projects. Contact your local Fiberglas representative, or write Owens-Corning Fiberglas Corporation, Industrial and Commercial Division, 717 Fifth Avenue, New York 22, New York.

*T.M. (REG. U. S. PAT. OFF.) O-C.F. CORP.



DIVIDENDS ON A $38,000 INVESTMENT IN ADDITIONAL INSULATION:

$91,000 SAVED ON THE HEATING-COOLING SYSTEM

The four inches of insulation will reduce the heat loss or gain through the roof by 70 per cent as compared to one inch of insulation. This permitted the installation of a smaller heating-cooling-ventilating system at a $91,000 saving.

$8,930 SAVED ANNUALLY IN OPERATING COSTS

$5,900 will be saved on fuel and power; $280 on maintenance; and $2,750 in interest. Projected savings: $8,930. This will be a clear annual saving to the company . . . in addition to the initial $91,000 and interest saved on equipment.

NGINEERING

■ AN ACCURATE MEANS OF EVALUATING MATERIAL PERFORMANCE TO FORECAST OPTIMUM SAVINGS IN INITIAL AND OPERATING COSTS, WITH HIGHEST RETURN ON THE OWNER'S INVESTMENT.

OWENS-CORNING RESEARCH pioneers in making things better with Fiberglas

OWENS-CORNING FIBERGLAS

For more information, turn to Reader Service card, circle No. 360

Continued from page 85



coated nylon. Each type of fabric is described as to its own particular advantages. Some applications for which special fabrics are appropriate are awnings, playing-field covers, swimming-pool covers, air-supported structures. Wellington Sears Company, 111 W. 40 St., New York 18, N. Y.

On Free Data Card, Circle 215



New Revolving File Grows with User Need

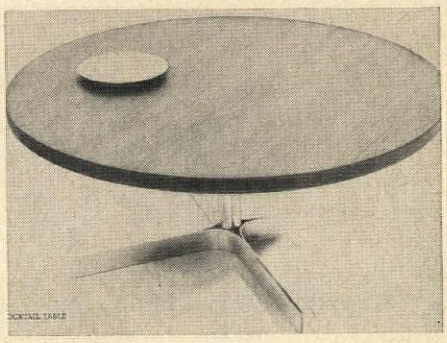
New horizontal rotary file grows with its user's need—up to six times its original capacity—without adding additional floor space. "Speedline" model combines the speed of rotary filing with the modular flexibility of the old sectional bookcase. Basis of the design is the horizontal wheel, or "Rotor-Tier." Instead of being parallel to each other in a rectangular space, as in a drawer, folders of records are filed radially around a hub. Folder, 8 pages, describes system. Wassell Organization Inc., 225 State St. W., Westport, Conn.

On Free Data Card, Circle 216

Specifications for Walk-In Freezers

New *Walk-In Specification Guide* helps owner and architect to determine the most suitable "Walk-In" cooler or freezer for particular requirements. The guide is prepared exclusively for the architectural specification writer, and gives recommendations for the design of new or expanded facilities. Dept. S, Bally Case and Cooler, Inc., Bally, Pa.

On Free Data Card, Circle 217



Contemporary Furniture

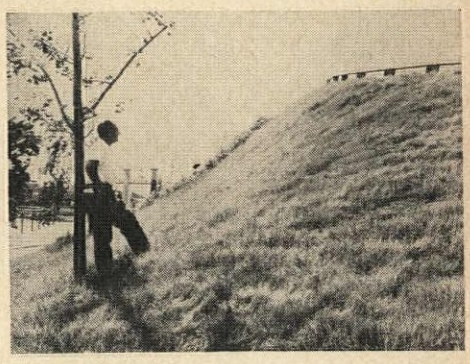
New 16-page brochure presents line of furniture appropriate for either commercial or residential use. Storage units, coffee bars, executive desks, cocktail tables, hi-fi cabinet, and conference table are illustrated, then described briefly in price list. Materials are brushed aluminum, walnut, rosewood, marble. Design throughout the line is restrained and elegant. ODI, 136 William St., New York, N.Y.

On Free Data Card, Circle 218

Plans and Barriers for Parking Lots

Basic parking-lot plans and parking equipment are shown in new 4-page *Bulletin 14A*. Five plans for parking at various angles are shown. The plans give suggested dimensions, but may be adapted to fit virtually any size or shape of lot. Also shown are six styles of wheel-stopping barriers, designed for orderly parking without damage to either vehicle or property. Barriers are suitable for automobile, truck, or bus parking on any type of surface—black top, concrete, macadam, gravel, sand, or cinders. Harris-Barrier, Inc., P. O. Box 23026, Indianapolis, Ind.

On Free Data Card, Circle 219



Seeded Grass Blanket

New 8-page brochure describes "Troy-turf," a blanket containing grass seed, mulch, fertilizer, and other nutrients. The blanket produces grass on steep embankments, in difficult-to-seed washout areas, along stream banks, in gullies, and in poor soils. Instructions are included for the simple roll-on installation. Horticultural Division, Troy Blanket Mills, 200 Madison Ave., New York 16, N. Y.

On Free Data Card, Circle 220

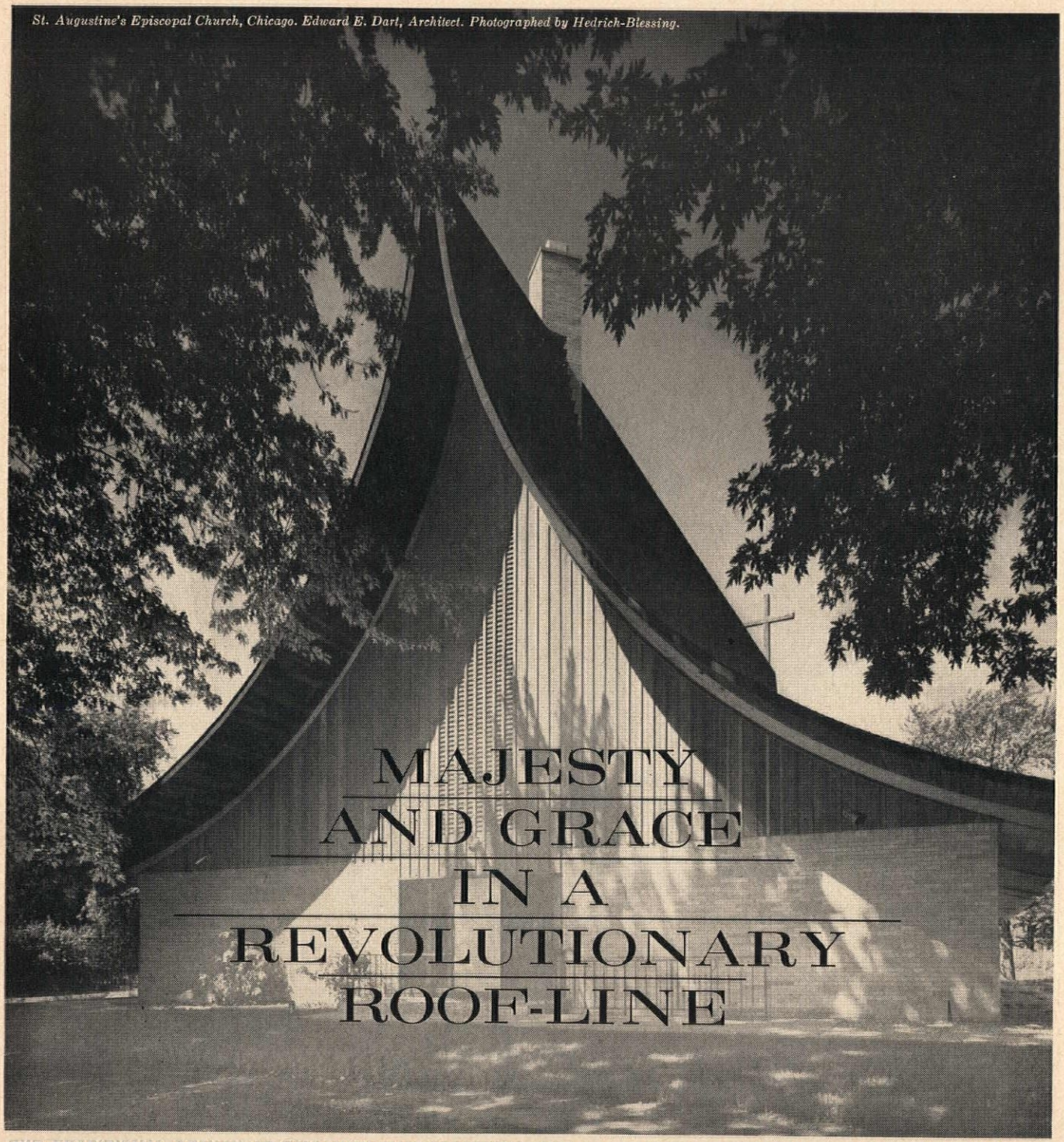
Plastic and Metal Toilet Compartments

New catalog, 20 pages, includes full line of toilet compartments from manufacturer who originated the metal toilet compartment. Color swatches show the 22 vivid colors available in porcelain-enamel or baked-enamel steel. Photographs and details show the various models of ceiling-hung or floor-braced compartments. New item in the line is the plastic-laminate toilet compartment. Descriptive paragraphs give its physical characteristics, and specifications are included. Henry Weis Manufacturing Co., 941 Oak St., Elkhart, Ind.

On Free Data Card, Circle 221

Glass-Fiber Panels for Many Uses

An 8-page brochure described as "the most comprehensive in the reinforced-plastic panel industry" has been published. Contained in the brochure are full testing details and conclusions about "Filoplate," a recently developed panel that is structurally guaranteed for the lifetime of any structure, and specifications for "Rololite," the first cross-corrugated panel in roll form.



THE TRADITIONAL BEAUTY OF BIRD KING-TAB ARCHITECT SHINGLES DIGNIFIES A CURVING ROOF OF MODERN LINES

On this house of worship, the Bird Architect Shingle blends the traditional and the modern . . . flexible, to conform with the roof's special soaring curve; heavy, to insure all-weather protection.

Slatelike Beauty, with depth and rich shadow lines, gives the impact and dignity worthy of a church.

Uniformity of Surfacing in even distribution of jumbo color granules is controlled in manufacture — no unsightly application on the site.

Greater Safety, Triple Protection: 300 lbs. per square, thick as standard slate; 3 full layers at every point, with 5″ exposure. For use on slopes with pitch as low as 2″ in 12″.

BIRD
BIRD & SON inc.
Architect Shingles

See specifications in SWEETS FILE $\frac{8C}{Bi}$ *or* $\frac{3C}{Bi}$ *or write* Bird & Son, inc., ***Box PA-2,*** *East Walpole, Massachusetts • Charleston, S.C. Shreveport, La. • Chicago, Ill.*

MOISTURE AND TERMITES A PROBLEM? *Write for details on Bird Termite Prevention System and Vapor Barrier*

For more information, turn to Reader Service card, circle No. 351

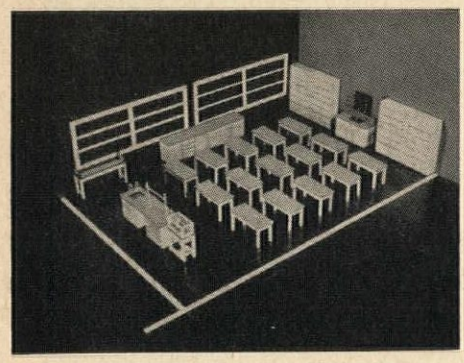
Also included are general specifications, heat- and light-transmission values, and load-carrying tables for the entire line of corrugated, flat, glazing, and decorative panels. Technical and Field Services, Dept. T3, Filon Plastics Corporation, 333 N. Van Ness Ave., Hawthorne, Calif.

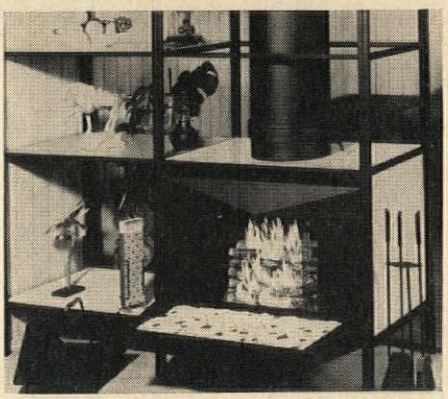
On Free Data Card, Circle 222

Science Furniture for Secondary Schools

Expanded line of stock science furniture is presented in new 48-page catalog. The complete line of secondary school science furniture includes instructor desks, student tables, fume hoods, sink assemblies, aquariums, germinating beds, storage and display cases, etc. In addition to the furniture and equipment catalogued, 11 floor plans are presented to show layouts and roughing-in information on all items. Kewaunee Technical Furniture Co., 3009 W. Front St., Statesville, N.C.

On Free Data Card, Circle 223





Firehood Room Divider

Colorful brochure, 4 pages, shows new "FireHOOD," a conical fireplace that is available in 9 colors of porcelain-enameled steel. Four models suit any requirement—with spun-steel pedestal, without hearth or base (for installation on job-fabricated hearth), with rubber-tipped steel legs, and with casters (for outdoor mobility). Another product, versatile "FireHEARTH," is adaptable to free-standing or wall-fastened application; and when integrated with special shelf units it becomes a decorative room divider. Condon-King Co., Inc., 1247 Rainier Ave., Seattle 44, Wash.

On Free Data Card, Circle 224

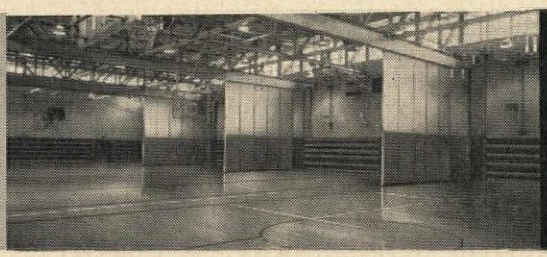
SURFACING MATERIALS

Report on Plaster-Ceiling Research

Extensive research by the Gypsum Association on the performance of lath and plaster ceiling systems has been in process for the past seven years, with the purpose of developing plaster constructions that will provide a high degree of crack resistance. The phase dealing with small suspended ceilings is now virtually complete, and a summary of the findings is presented

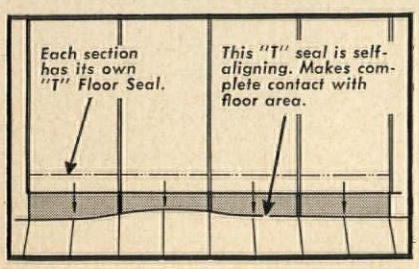
a revolutionary new feature in

TORJESEN FOLDING PARTITIONS



THE INGENIOUS "T" FLOOR SEAL

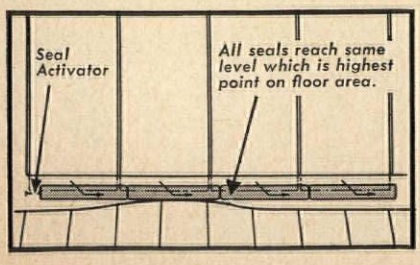
Activated by Compressed Air!



NEW "T" FLOOR SEAL ON TORJESEN FOLDING PARTITIONS *Effects 100% Closure Regardless of Floor Contour!*

Each section of a Torjesen Partition has its own "T" floor seal. *An electro-pneumatic activated unit in the bottom does the job!* Regardless of high or low floor points, each panel is held rigidly in 100% contact with the floor making the entire partition immovable.

**The new "T" Floor Seal is now standard equipment on all Torjesen Folding Partitions at no extra cost!*



OLD TYPE FLOOR SEAL NOW IN GENERAL USE *Cannot Effect 100% Closure Unless Entire Floor is Dead Level!*

The drawing at left shows this. When the partition is closed the seal in the first door section is triggered and in turn activates each following door section seal. They all reach the same level which is the highest point on the floor area. Any irregularity in floor contour will cause the rest of the panels to hang loosely thus affecting the rigidity of the entire partition.

Visit our plant and tour its facilities • Write for fully detailed catalog

TORJESEN, INC. 209-25th ST., BROOKLYN 32, N.Y. • TEL.: SOUTH 8-1020

Over 50 representatives in key cities to serve you

Affiliates: BAR-RAY PRODUCTS, INC. • X-Ray Accessories and Radiation Protection • CAPITAL CUBICLE CO., INC. • Hospital Cubicles and Track

For more information, turn to Reader Service card, circle No. 343

How to end up with an insulated roof exactly the way you designed it

Specify Insulite Cant Strip and Tapered Edge Strip with Insulite Roof Insulation.

The full Insulite line of roofing products is designed to make it easy for the roofing contractor to do a complete job—and to do it quickly and at low cost.

1 The basic Insulite Roof Insulation is a tough, rugged product with the *extra* strength and rigidity to resist cracking, crushing and flexing.

2 Insulite Accessories—Cant Strip and Tapered Edge Strip—insure perfect joints where the roof meets a vertical surface, or where there is a building-up or tapering-off area. These accessories give a smooth, strong surface that will not break or puncture under hard construction or maintenance activities.

PROTECT YOURSELF FROM MAKE-DO EXPEDIENTS

Insulite Accessories make it easy for any contractor to follow your details. No sawed, beveled or built-up boards. Insulite Cant or Tapered Edge Strips are shaped to do a perfect job even in tough problem areas.

You get perfect construction and insulation where the roof meets a wall, chimney or other vertical surface; where the outer edges taper off; where you want drainage channeled.

BE SURE OF A ROOF THAT CAN TAKE IT

Insulite Roof Insulation is made of all-wood fibers from hardy, slow-growing Northern trees. It is not soft; it is not brittle. It has the high transverse and compressive strength needed to resist the hardest kind of wear.

Insulite Roof Insulation will give you a roof that stands up under loaded wheelbarrows, heavy LP gas cylinders, bitumen kettles, the heaviest equipment that might be used on it.

ACCESSORIES ARE OF COMPATIBLE MATERIAL

Insulite Tapered Edge Strip and Insulite Cant Strip are made from the same basic wood fibers as Insulite Roof Insulation. This eliminates any hazards caused by the introduction of two materials with conflicting properties.

Insulite Accessories have the same low coefficients of expansion; the same vapor permeance characteristics; the same thermal resistance. Dimensional stability of Insulite Roof Insulation is excellent.

CHOICE OF DIMENSIONS AND TYPES

Insulite Roof Insulation comes in 24″ x 48″ and 23″ x 47″ sheets—½″, 1″, 1½″ or 2″ thick. Edges are square in the ½″ thickness. In other sizes you may order either square or shiplapped edges.

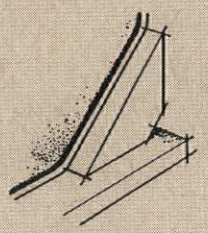
Insulite Cant Strips come in 4′ lengths—either 3″ x 3″ or 4″ x 4″. Insulite Tapered Edge Strips are 4′ long by 12″ wide. They measure 1⅝″ at the thick edge, and taper to ⅛″ at thin edge.

Choose from two kinds of Insulite Roof Insulation: Ins-Lite, or asphalt-treated Graylite.

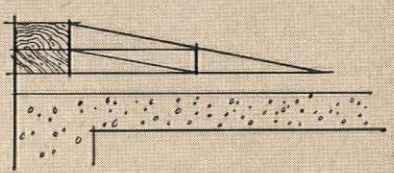
GET MORE FACTS AND NEW BOOKLET

Just call your Insulite representative for more information or send the coupon below directly to Insulite for the new Insulite Roof Insulation Manual.

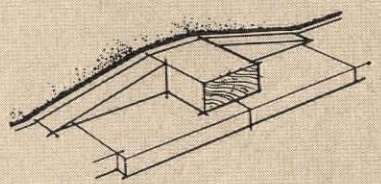
INSULITE ACCESSORIES MAKE IT EASY FOR YOU TO SOLVE SPECIAL PROBLEMS



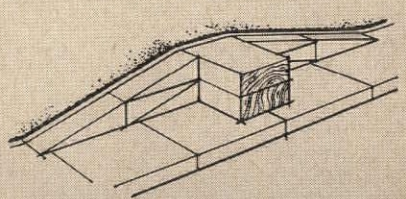
ELIMINATE 90° BEND IN ROOFING FELTS. Specify Insulite Cant Strips where roof meets chimney, wall or other vertical surface. A well-designed joint that protects felt from cracking, makes flashing easier, looks better.



CARRY FELT SMOOTHLY TO ROOF EDGE. Insulite Tapered Edge Strip makes roofs more perfect than ever before. It underlies felt layers, eliminates sharp angles where cracks often develop, carries roofing felt smoothly over edge nailing member.



CHANNEL DRAINAGE ANYWHERE ON A FLAT ROOF. Just position Insulite Tapered Edge Strips on either side of raised nailing base. Because every strip is precision-made to same size, perfect drainage curbs result.



BUILD UP TO HEIGHT YOU NEED. Insulite Tapered Edge Strips are the answer to this problem. Just have them laid as shown here. These strips are bevel-cut from Graylite Insulation Board.

SPECIFY

INSULITE®

Roof Insulation Products

INSULITE, *made of hardy Northern wood*

Insulite Division of Minnesota and Ontario Paper Company, Minneapolis, Minnesota

Please send me my copy of the new illustrated Insulite Roof Insulation Manual. PA-2

NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

For more information, circle No. 372

Inside Window Washing

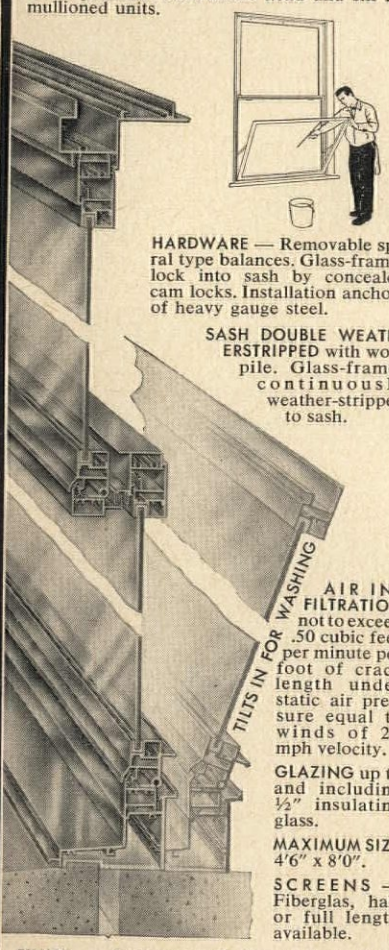
with the Fleetlite double hung Monumen-tilt!

For conventional and curtain wall high rise buildings, the monumental double hung aluminum window that can be fully screened and still cleaned at floor level from inside the building.

SHORT SPECIFICATIONS

MATERIAL — Extruded Aluminum alloy 6063-T5 with a minimum tensile of 22,000 psi.

DESIGN FEATURES — Sash have glass-frames hinged at the lower rail. For inside cleaning, glass-frames pivot "hopper style" when in the lower position. Continuous head and sill for mullioned units.



HARDWARE — Removable spiral type balances. Glass-frames lock into sash by concealed cam locks. Installation anchors of heavy gauge steel.

SASH DOUBLE WEATHERSTRIPPED with wool pile. Glass-frames continuously weather-stripped to sash.

TILTS IN FOR WASHING

AIR INFILTRATION not to exceed .50 cubic feet per minute per foot of crack length under static air pressure equal to winds of 25 mph velocity.

GLAZING up to and including ½" insulating glass.

MAXIMUM SIZE 4'6" x 8'0".

SCREENS — Fiberglas, half or full length available.

FINISH — Lustrous satin-like surface. Anodized if specified.

Complete specifications and full size details available upon request.

Fleetlite® AMERICA'S Finest WINDOW

FLEET OF AMERICA, INC.

Dept. PA-21

2015 Walden Ave. Buffalo 25, N.Y.

Territories Open for Qualified Sales Representatives. Direct Representation in Canada.

For more information, circle No. 313

in 8-page report. The effects of different finish coats on the 186 ceilings studied, along with effects of the plaster base, the plaster basecoat, and ceiling-perimeter construction, are analyzed. Recommendations for plaster performance are clearly summarized, and a chart gives relative performance of various lath and plaster ceilings. Gypsum Association, 201 N. Wells St., Chicago 6, Ill.

On Free Data Card, Circle 225

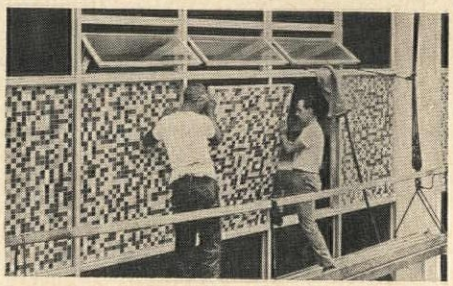
Information on Terrazzo

Information kit, including 30 sheets, contains data and specifications on terrazzo. Subjects discussed are conductive terrazzo, outdoor terrazzo, monolithic terrazzo, terrazzo over radiant heating. Guides to location of divider strips are provided. Other data sheets give resiliency test findings, maintenance instructions, and methods of restoring conductive terrazzo. NTMA membership list is appended. National Terrazzo and Mosaic Association, 2000 K St., N.W., Washington 6, D.C.

On Free Data Card, Circle 226

Curtain-Wall Panels Surfaced with Tile

A new line of curtain-wall panels surfaced with American Olean ceramic tile has been introduced. Folder, 4 pages, shows 4 basic types available



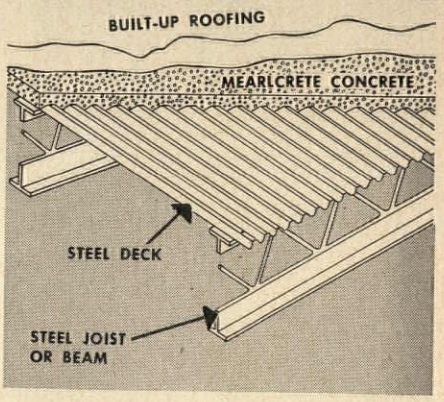
and gives installation details. The tile is set with weatherproof, flexible grout, and is frostproof. An organic adhesive securely bonds the tile to the panel core. Sandwich core is composed of asbestos-cement board bonded to rigid insulating board. Maul Macotta Corporation, 1640 E. Hancock Ave., Detroit 7, Mich.

On Free Data Card, Circle 227

Asbestos-Cement Sheeting

"Colorlith," used in industry and schools for lab-table tops, sinks, hoods, shelves, and other heavily used surfaces, is described in new 12-page

MEARLCRETE *insulating* ROOF DECKS



fast

Place up to 30,000 square feet of roof deck or insulation in a single day.

lightweight

Permits savings on structural steel frame!

economical

Competitive with all other systems!

Pumped into place as insulating fill on galvanized corrugated steel decks, or as roof decks on form boards, Mearlcrete Foam Concrete offers many advantages over other systems. Here are a few:

CONTROLLED QUALITY — Mearlcrete is installed only by franchised trained contractors.

INCOMBUSTIBLE — 100% concrete reduces heat flow and flame spread.

LOW WATER CONTENT — Less than other poured decks:..dries rapidly... pemits faster construction schedules.

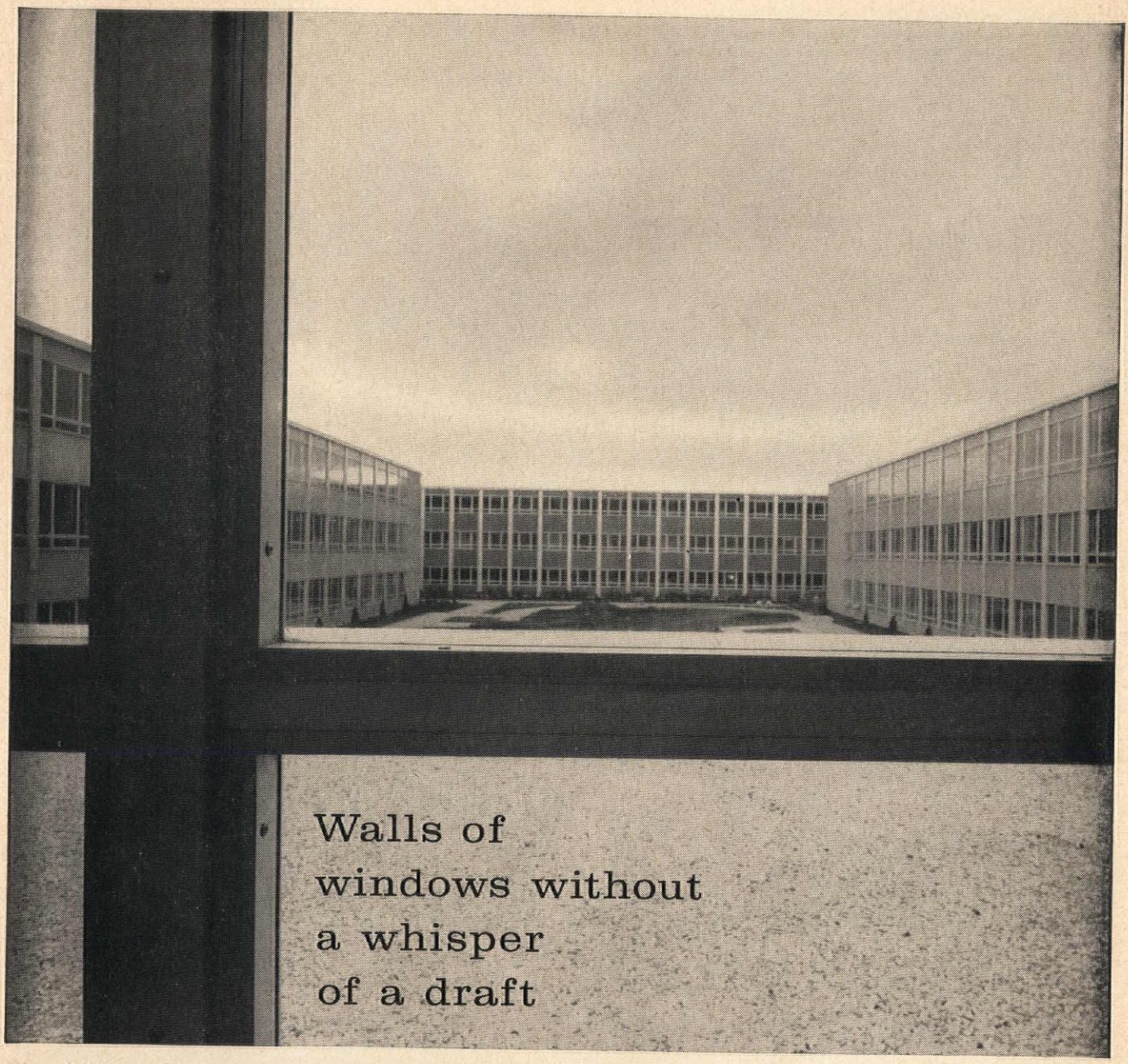
HIGH INSULATING VALUE — Reduces initial cost and operating cost of heating and cooling plant.



WRITE FOR TECHNICAL BULLETIN R411A
with complete data on Mearlcrete Foam Concrete and the name of your local Mearlcrete contractor.

MEARL chemical corporation
220 Westfield Ave. West, Roselle Park, N.J.
CHestnut 5-9500

For more information, circle No. 359



The windows in the new East High School in Rochester, N. Y., were chosen with *winter* in mind.

All projected and hopper ventilating windows contain Schlegel Woven Pile Weatherstripping. Schlegel's dense pile of soft wool fibres adjusts to all uneven surfaces—snugly cushions every window. Its resilience—a property not found in plastic or metal—assures a positive seal.

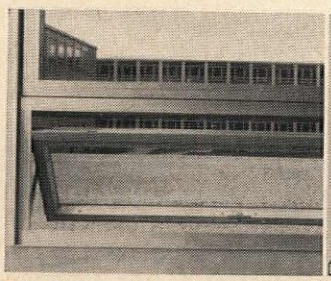
When subzero winds blow up a gale, not one of East High's 2200 students sits in a draft.

Cuts maintenance costs. Here's why you're sure of winter-proof windows when you specify windows with Schlegel Weatherstripping. Schlegel Woven Pile won't rust, crack, or rot. It is designed to last as long as the unit it seals.

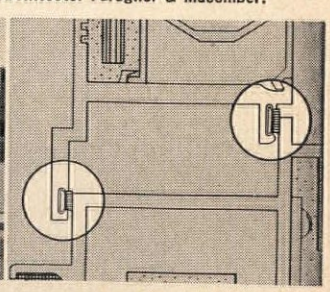
Dow Corning silicone treatment makes it extra water-resistant—locks out howling winds, driving rain, snow, and sleet.

For a list of manufacturers using Schlegel Weather-stripping, write for our new booklet, "Your Guide to Windows — Doors — Screens," — See our insert under "Windows-Screens" and "Doors-Screens" in the 1961 Sweet's Catalog File.

East High School, Rochester, N. Y., anticipates the city's population growth. Built to accommodate 3000 students. Architects: Faragher & Macomber.



All projected and hopper style windows are weatherstripped with Schlegel deep woven pile to insure a positive seal.



Drawing, courtesy of Adams & Westlake, showing application of Schlegel Woven Pile Weatherstripping.

for protection that's **silent, smooth** and **sure**

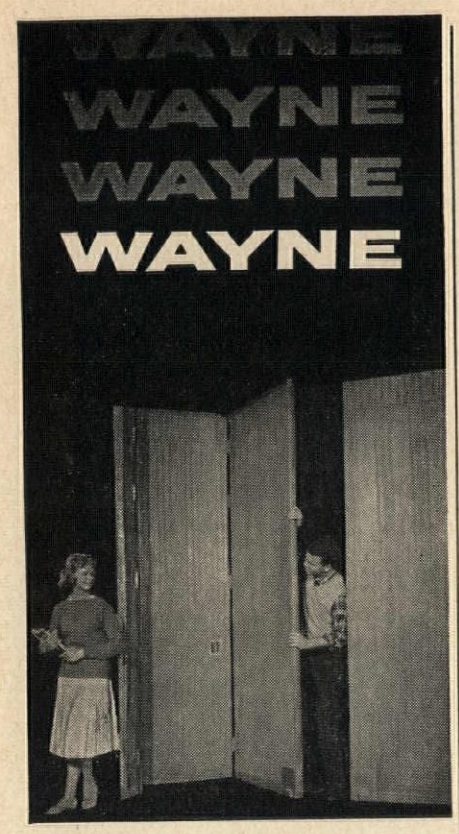
Schlegel



WOVEN PILE WEATHERSTRIPPING

Schlegel Mfg. Co., P. O. Box 197, Rochester 1, N. Y. In Canada: Oakville, Ontario

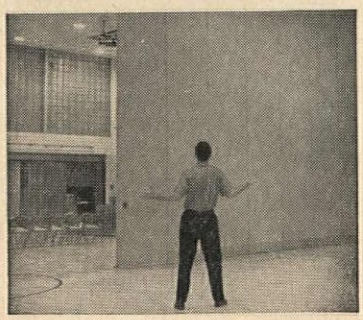
For more information, turn to Reader Service card, circle No. 338



WAYNE FOLDING PARTITIONS

work wonders in saving space (and dollars)





In gymnasiums, auditoriums and classrooms.

NEW CATALOG

Available in seven facing materials, including beautiful long-wearing vinyl plastic at no extra cost. Choice of four core materials, automatic or manual operation. Engineered for all budgets. Send for new catalog today.

WAYNE IRON WORKS • WAYNE, PA.
For more information, circle No. 346

brochure. A monolithic asbestos-cement sheeting, Colorlith is highly resistant to physical and chemical abuse. Booklet describes the available thicknesses of the material, with recommendations as to optimum thickness for various applications. Recommended procedures for fabricating, bonding, and cementing are also given. Johns-Manville Corporation, 22 E. 40 St., New York 16, N. Y.

On Free Data Card, Circle 228



New Development in Wallcoverings

"Endura-Cloth," proclaimed a new development in wallcoverings, is a stain-proof vinyl-covered canvas with unusual resistance to steam, abrasion, scuffing, and fire. Brochure, 4 pages, gives description of its properties and easy installation. Tests have shown that the material is capable of being scrubbed 25,000 times. Patterns are attractively designed. United Wallpaper Company, 3101 S. Kedzie Ave., Chicago 23, Ill.

On Free Data Card, Circle 229

New Developments in Scored Tile

New booklet, 4 pages, gives information about several new products in "Scored Tile" line. Of special interest is a complete selection of trim shapes, now available for the first time, for both conventional mortar installation and for adhesive and thin-set mortar installation. A chart of standard Scored Tile patterns shows the wide range of possible effects. Booklet also announces the introduction of a new Scored Tile design that is adaptable

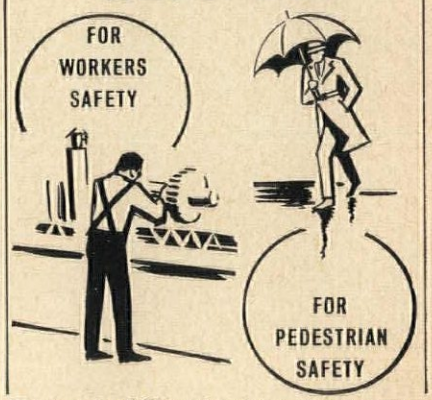
PREVENT COSTLY SLIPPING



ACCIDENTS

On RAMPS • FLOORS • WALKS
STEPS • PATIOS • DOCKS

EXOLON *Anti-Slip*
troweled into concrete
makes it **SAFE – WET or DRY**



Exolon Anti-Slip abrasive grains are easily troweled into the surface of concrete to give it hardness and wear resistance. It never polishes smooth even in heaviest traffic. LOW COST. Anti-Slip is available in Aluminum Oxide or Silicon Carbide grains. The latter adds sparkle and glitter. Both bond with cement producing safe, non-slip surfaces.

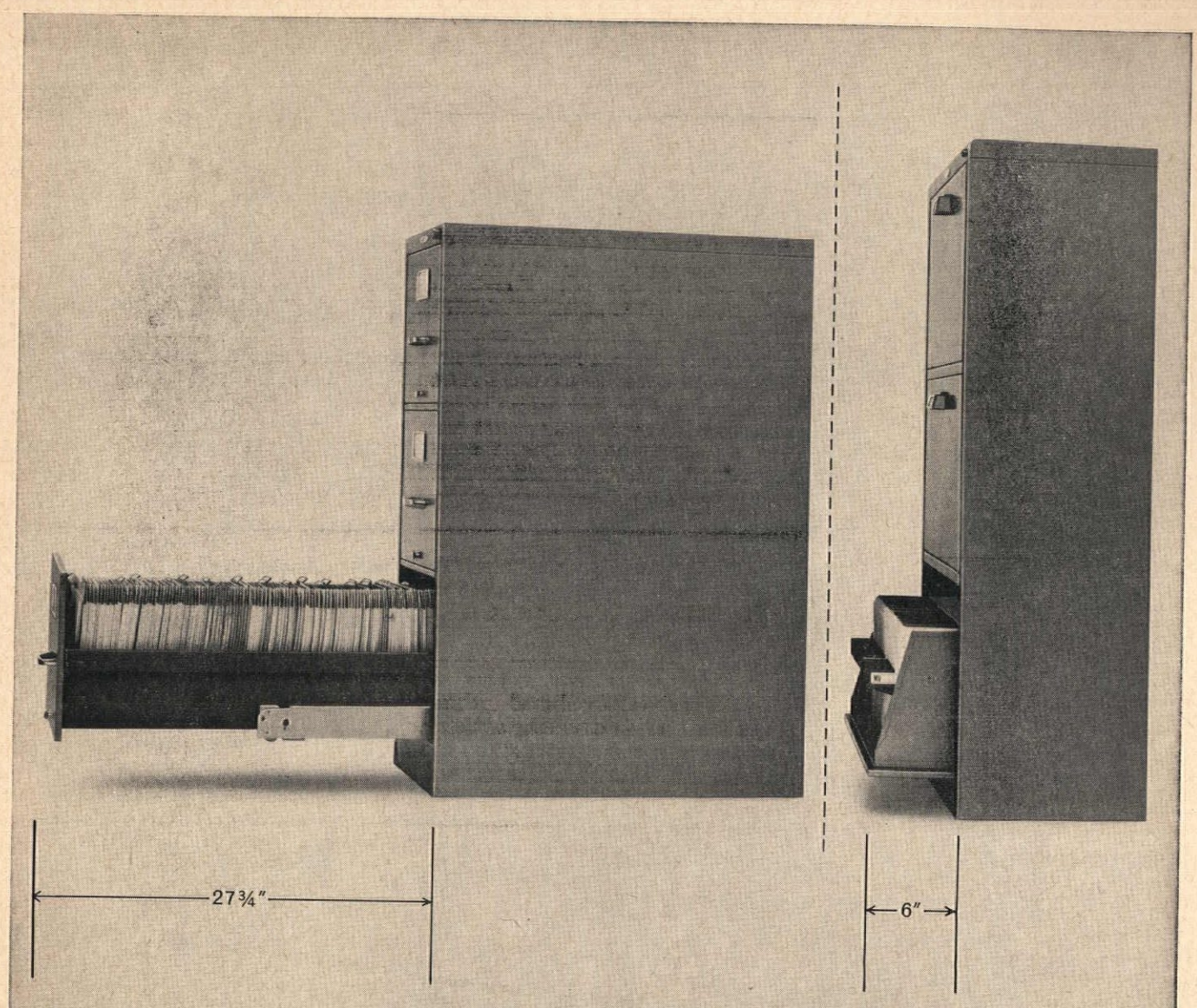
EXOLON ANTI-SLIP abrasive grain may be bonded to wood, metal or concrete surfaces by first applying an epoxy resin, then sprinkling the abrasive on before the resin hardens.

Please send me
☐ Samples of EXOLON Anti-Slip
☐ Complete information and specifications.

Name_____
Address_____
City_____ Zone____ State_____

The EXOLON Company
1031 E. Niagara Street • Tonawanda, N. Y.

For more information, circle No. 309



Both wide open

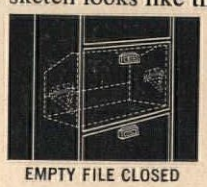
You could design the file on the right into a 12½"-deep wall space facing a narrow aisle and forget about aisle blocking when the compartments are opened.

For this file has no drawers to eat up valuable space. Wide open, with all contents visible and reachable, this file projects only 6" (8" for legal size).

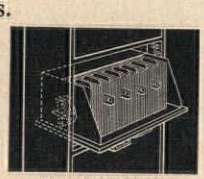
Even if this file were not built into a wall, you could save your client a fat 30% of floor space.

To recommend them, you would specify Y&E *Pro-Files.**

The idea that makes Pro-File work to your advantage is a neat patented Rock-A-Tilt mechanism which in sketch looks like this.



EMPTY FILE CLOSED



FULL FILE OPEN

The center of gravity remains within the shell, even with all the compartments loaded and open. These files may be stacked to the ceiling with no fear of overbalancing or tipping.

Design them into walls. Utilize them as divider half-walls, back to back, or built in under bookcases or shelving. Or, better, use your own imagination.

If you would like specification literature on Y&E Pro-Files, tear out this ad and mail it to us with your name and address.

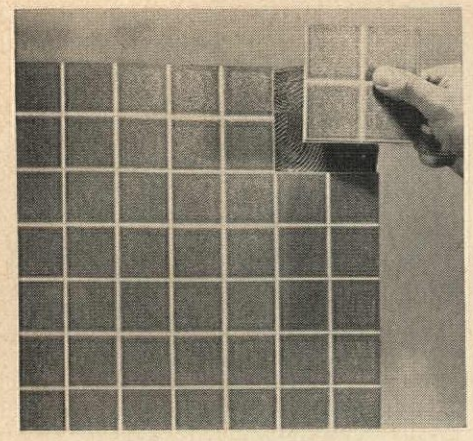
Since we also build darn good standard files, like the one on the left above, we'll send you specifications on them, too, if you'll just ask. **Patented*

YAWMAN & ERBE

A STERLING PRECISION CORPORATION

1093 Jay Street, Rochester 3, N. Y.

For more information, turn to Reader Service card, circle No. 348



for combination with both scored and unscored tile in many ways. American Olean Tile Co., 1000 Cannon Ave., Lansdale, Pa.

On Free Data Card, Circle **230**

Large Samples of Formica

New *Architect's Colorbook* with 8½" x 11" sheets gives "mansize" samples of full line of colors and wood grains. Specification sheets are also included. Book will be useful in designing and in presenting ideas to clients. Write to: Formica Corporation, Subsidiary of Cyanamid, 4600 Spring Grove Ave., Cincinnati 32, Ohio.

Concrete Modules in Filigree or Veneer

Gems in Concrete, 6-page folder, shows variety of geometric designs in reinforced-concrete units. "GemGrille" units are filigree modules available in 1′ x 1′ x 3″ or 1′ x 2′ x 3″. "GemCrest" are veneer modules in many sculptured patterns. They can be used as random inserts, vertical or horizontal stripes, entire panels or walls. American Traverse Co., 11 Prospect Ave., Hewlett, L.I., N.Y.

On Free Data Card, Circle **231**

New Adhesive for Terrazzo-to-Concrete

Booklet, 12 pages, introduces "Terrabond" adhesive, which is based on Thiokol's polysulfide liquid polymer and exhibits an outstanding ability to bond poured-in-place terrazzo to a concrete base. Results of laboratory tests reported in the bulletin indicate that Terrabond adhesive provides a bond stronger than either concrete or terrazzo.

Terrabond terrazzo flooring, consisting of portland-cement terrazzo bonded with the new adhesive, is similar to monolithic terrazzo in that it is installed directly on a concrete slab. However, by the Terrabond process, the terrazzo surface can be as little as ⅜" thick and can be installed at any time, even when slab is fully cured. Additional advantages: initial cost is 30% to 40% lower than conventional terrazzo; lower maintenance cost than resilient floors; impermeable moisture barrier provided by the adhesive. Market Development Dept., Thiokol Chemical Corporation, 980 N. Clinton Ave., Trenton 7, N.J.

On Free Data Card, Circle **232**

PROGRESSIVE ARCHITECTURE NEWS REPORT

REINHOLD PUBLISHING CORPORATION

430 PARK AVENUE NEW YORK 22, N.Y.

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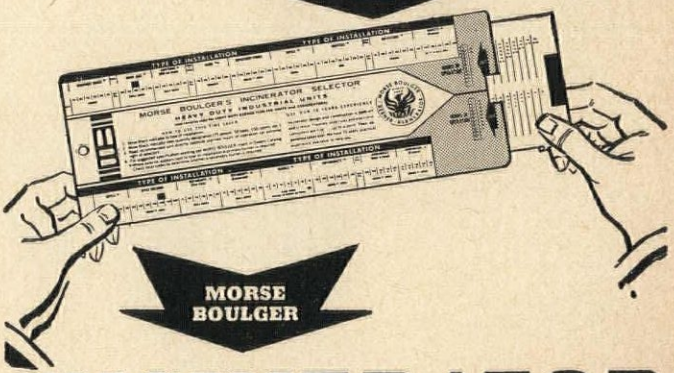
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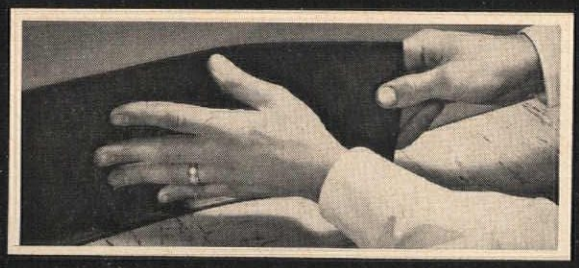
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Mannie Nagel, treasurer, Harry Rich Floors, Inc., installers of floor tile and cove base in the new Prudential Plaza Building in Newark. Architects: Voorhees, Walker, Smith, Smith & Haines.

In new Newark headquarters for Prudential... 3M Adhesives

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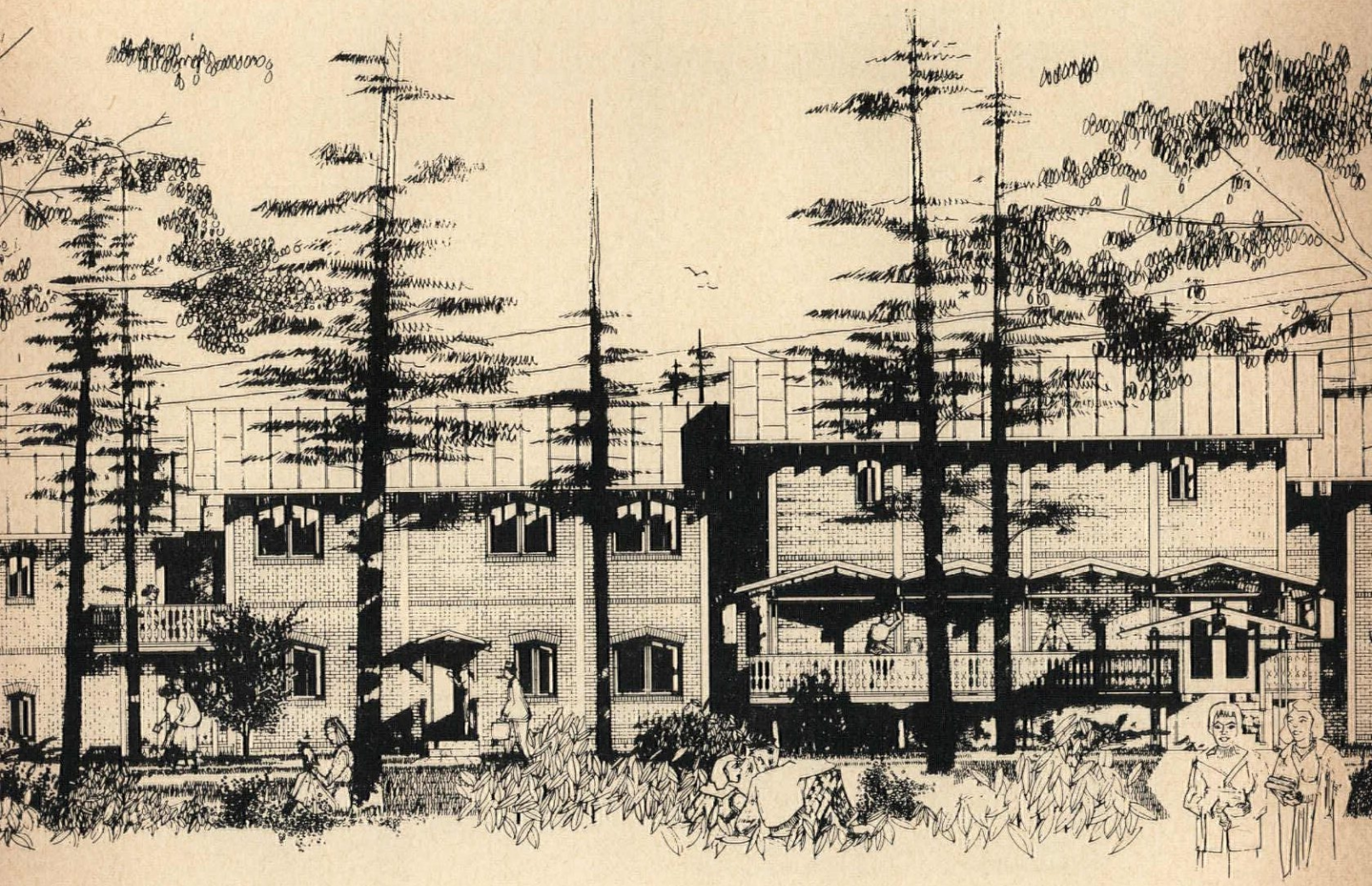
. . . WHERE RESEARCH IS THE KEY TO TOMORROW

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in the March P/A . . .

ARCHITECTS DRAW AGAIN



The Talents of the Architect as Artist *are illustrated in the March issue with a ten-page portfolio of recent outstanding drawings. Renewed interest in surface textures, in many faceted, even sculptural shapes in architectural design has resulted in the architect's return to meticulous pen and pencil renderings.*

The State of Architecture *is another subject of importance in the March issue. The P/A Symposium on the State of Architecture discusses the direction of architecture today. P/A's Editor, Tom Creighton, has conducted a written discussion among nearly 100 most articulate and influential architects. Part I will show the diversity of opinion and lack of design disciplines prevalent today.*

Additional Features Include *articles on public housing for the elderly and two elementary schools. Materials and Methods discusses the preflexing technique of prestressed steel, dew point temperature location, multi-outlet electrical systems, and wire-fabric heating.*

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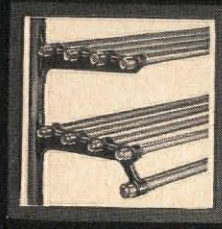
A REINHOLD PUBLICATION 430 PARK AVENUE NEW YORK 22, N. Y.

Pencil drawing of dormitories of Western Washington College, Bellingham, Washington, by William Dimmich associated with Bassetti & Morse, Architects.

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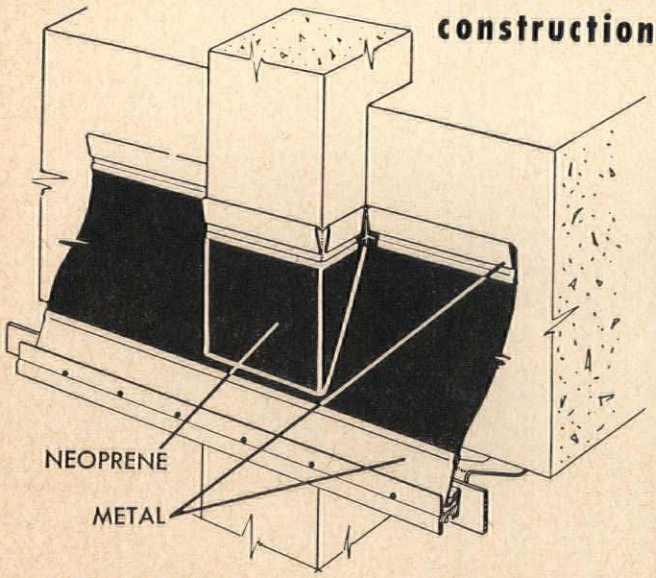
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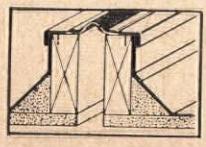
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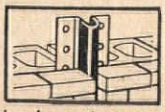
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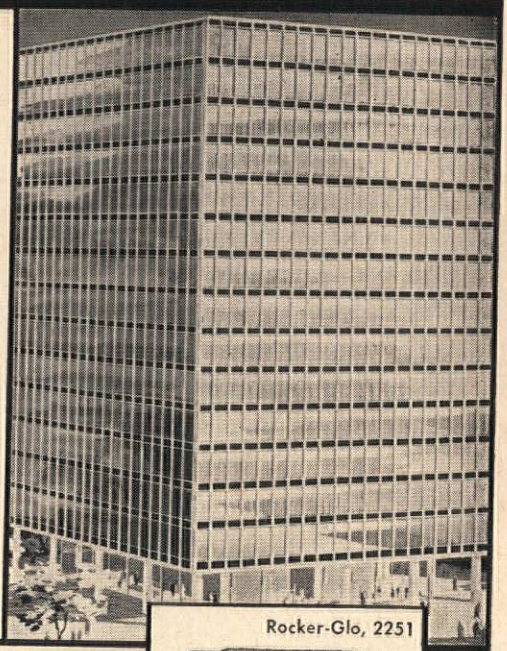
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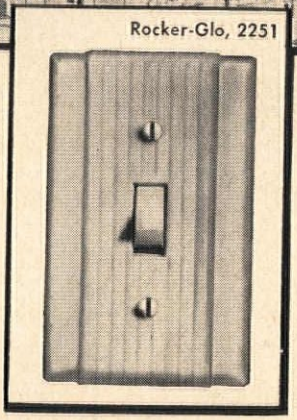
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